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Simpson Seed AND Floral Co.

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1928



1551 CHAMPA ST. DENVER COLO.

A few words about Quaker Sugared Schumacker Feed for Stock

SUGARED SCHUMACKER FEED is made by The Quaker Oats Company, the world's largest manufacturer of stock and poultry feeds. It stands foremost on the American market today and has been widely and favorably known for over forty years. This is a record which no other commercial feed of any kind begins to approach and is the best guarantee we can offer you that the feed is right, that it meets average farm feeding conditions, and offers unexcelled value. In its present form **SUGARED SCHUMACKER FEED** is a better feed than it has been at any previous period in its long and honorable career.

SUGARED SCHUMACKER FEED is the nation's standard blended carbohydrate feed. It is guaranteed to contain 10 per cent protein, 3.25 per cent fat, 70 per cent carbohydrates and not over 12 per cent fibre. It is very rich in starches and sugars, those basic, necessary, energy-giving and productive carbohydrates. It is a correct blend of choice products—of carefully selected wheat, corn, oats and barley combined with oilmeal and cottonseed meal, molasses, minerals and salt. Pound for pound it will give better results than corn, wheat or barley, or any mixture of these grains in rations for live stock.

SUGARED SCHUMACKER FEED contains approximately 10 per cent sugared molasses incorporated by a special process which produces a perfectly clean, dry, pleasing feed. This provides therefore, as much molasses as is desirable in the rations of most types of animals and the molasses is an important ingredient because it increases the palatability and digestibility of the feed and has a very beneficial influence on the digestive system.

SUGARED SCHUMACKER FEED carries 2 per cent of specially selected choice minerals, thus insuring a generous and sufficient supply of the calcium and phosphorus so necessary for milch cows, breeding stock, hogs, and young growing stock of all kinds. Because of its high carbohydrate content it is ideal for—milk production—pork production—the growing of young stock. Use it for a hog feed, for the base of a dairy feed, for a growing ration, for a fattening ration.

SUGARED SCHUMACKER FEED sells today, Jan. 1, 1928, at \$2.65 cwt., 500 pounds for \$12.75, 1,000 pounds for \$24.50, ton lots for \$48.00 f. o. b. Denver. This price is guaranteed by us up to April 1, 1928, after which time we suggest that you ask for lowest market price.

Ask us for free bulletins on **SUGARED SCHUMACKER FEED**, **SCHUMACKER CALF MEAL**, **QUAKER PIG-N-HOG MEAL**.

Simpson Seed and Floral Co.

1551 Champa Street

Denver, Colorado

Simpson's Easy Payment Plan for 1928

Covering the Purchase of Any Incubator, Brooder, or Oat Sprouter Listed in this Catalog, Freight Paid to Your Station.

Our 1928 plan provides for the purchase of any Incubator, Brooder or Oat Sprouter listed by us, at the regular cash price, by paying one-third with order and the balance in four equal, monthly installments with interest on the installments at 6 per cent per annum. This interest amounts to a few cents only, and for that reason we require references from your bank or merchant assuring us of your ability to make the payments when they come due.

This EASY PAYMENT PLAN is the only one we know of where merchandise is sold at the regular cash price, with FREIGHT PAID TO YOUR STATION. We are able to do this only because we are car load buyers of these items and are in position to sell at lower prices than those who buy in small lots.

When ordering INCUBATORS, BROODERS, or OAT SPROUTERS, on this EASY PAYMENT PLAN, send your references with your order as this will save several days in filling same.

We show below a copy of the contract and notes used in this Easy Payment Plan:

SAMPLE CONTRACT

Total Purchase \$.....	133.50.....
Down Payment \$.....	44.50.....
Balance Due \$.....	89.00.....

To SIMPSON SEED AND FLORAL CO., Denver, Colo.

Date.....Jan. 15th....., 1928...

	Description of Article	Selling Price
.....1.....No.....5.....	.....400 Egg Queen Incubator.....	\$.....68.00.....
.....1.....No.....2.....	.....1200 Chick Queen Brooder.....	\$.....26.50.....
.....1.....No.....72".....	.....Cole's Hot Blast Stove Brooder.....	\$.....39.00.....
.....No.....	.....	\$.....
Total Selling Price		\$.....133.50.....

For balance of purchase price \$.....89.00....., due to you as mortgagee, I do hereby grant, bargain, sell, convey and confirm unto you and your assigns, the above articles, to have and to hold said articles forever; provided, however, that if I shall pay to you or assigns the sum of \$.....89.00..... infour..... equal installments of(\$22.25..) (Balance Due) (No. of Part Payments) (Monthly Payment) each on the.....15th..... day of each month hereafter, then this mortgage to be void.

If I fail to make any of said monthly payments as above specified, I agree to return the said articles to you or your assigns on demand and at the option of you or your assigns all remaining installments may be declared immediately due and payable. I further agree to take good care of said articles and to be responsible for their loss by theft, fire or other casualty, and not to remove same from.....Residence..... (Number and Street)

.....Haxtun.....Colo.....unless I first obtain the written consent (City) (State) of you or your assigns.

It is understood and agreed that no other agreement or guaranty, verbal or written, express or implied, shall limit or qualify the terms of this contract.

Accepted.....Jan. 15th....., 1928..... Signed.....Mrs. John Doe..... (Customer)

By SIMPSON SEED AND FLORAL CO.

Per.....

All signatures must be in ink or indelible pencil.

ORIGINAL
(NEGOTIABLE)

\$.....22.25..... Due.....February 15th, 1928..... No.....1.....

SAMPLE NOTE

.....Denver, Colo.....January 15th....., 1928.....
.....Thirty days.....after date, for value received, I promise to pay to the order of the

SIMPSON SEED AND FLORAL CO.
DENVER, COLO.

.....Twenty two and 25/100.....Dollars
at their office, 1551 Champa St., Denver, Colo., with interest at the rate of6.... per cent per annum fromdate..... until paid.

Demand, Protest and Notice of Non-Payment is hereby severally waived by the makers, endorsers and guarantors. In case of insolvency of the undersigned any indebtedness due from the legal holder hereof to the undersigned may be appropriated and applied hereon at any time, as well before as after maturity hereof.

Address.....Haxtun, Colo., Rt. No. 2..... Mrs. John Doe.....

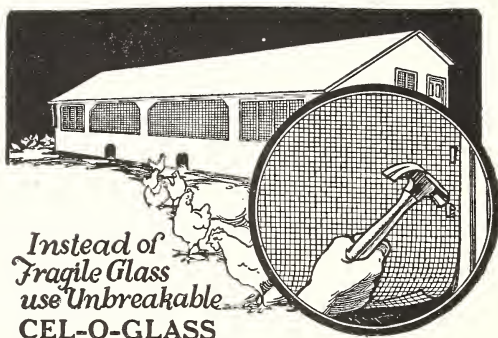
Cel-O-Glass is now too well known to require an introduction. It is now standard equipment for brooder house and poultry house fronts, and being cheaper and better than ordinary glass, is in wide use. There is one CAUTION, however, that we feel impelled to make. Like every other good article, Cel-O-Glass has many imitators. Some of them are practically worthless and will not stand the sun's rays any length of time. Unfortunately, these imitations are often sold as genuine Cel-O-Glass. We advise you to be sure of the manufacturer's name before buying. Genuine Cel-O-Glass is made by Acetol Products, Inc., 21 Spruce Street, New York City and their label appears on every roll. We handle the genuine product.

Because Cel-O-Glass admits the Ultra-Violet Rays of the Sun, its use is recommended by many experiment stations and practical breeders. These Ultra-Violet Rays have much to do with the growth and health of any living creature, and chicks raised under Cel-O-Glass will not only grow faster but will be stronger than chicks raised under ordinary glass.

We will gladly supply free bulletins by noted scientists who have experimented with Cel-O-Glass and strongly recommend its use.

PRICES

Original Roll, 100 feet long by 3 feet wide.....	\$42.00 postpaid
50 running feet (150 square feet).....	22.25 postpaid
25 running feet (75 square feet).....	11.25 postpaid
Less than 25 running feet, per square foot.....	.16 postpaid



CEL-O-GLASS

PRICE NOT PREPAID \$42.00 PER ROLL
LESS THAN FULL ROLL 15 CENTS PER SQUARE FOOT

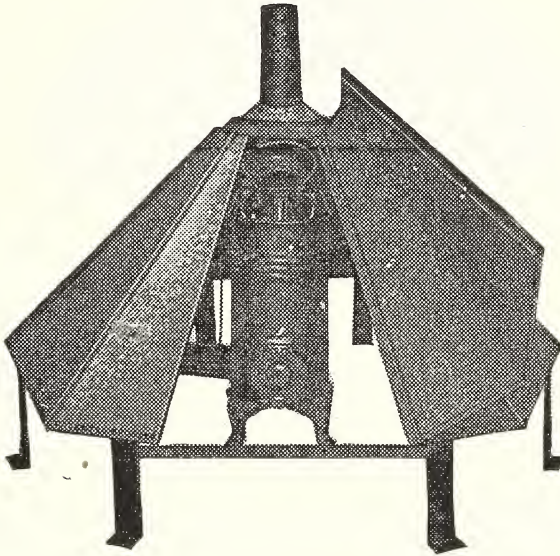
Cel-O-Glass will withstand the most severe hail or wind storm and when used in an upright position will last indefinitely. We do not recommend it, however, as roofing or in any position except vertical, if it is exposed to the burning rays of the sun in hot weather.

When used for hot beds, and it is truly wonderful for this purpose, the frames should be removed in summer and stored away from the direct rays of the sun.

Cole's Hot Blast Brooder Stove

**Guaranteed to Keep Steady Heat—Hold Fire—Remain Air Tight
Guaranteed to Burn Any Good Grade of Coal, Hard or Soft**

We further guarantee that this Brooder Stove will hold sufficient brooding heat ten to twelve hours. That it will NOT be necessary for you to get up in the night to fire it in the coldest weather.



PRICE \$39.00 DELIVERED COMPLETE

AT LAST! We have the stove brooder that the whole poultry world has been waiting for, an economical, easily regulated stove brooder that will hold its heat throughout the coldest night without attention.

We are all more or less familiar with the Cole's Hot Blast Stove, we know that for 35 years, it has held its lead in competition of countless other makes, and that today it stands head and hands above its nearest competitor. The Cole Manufacturing Co. have designed a stove brooder, using the tried and proved Cole's Hot Blast Stove as their heating unit, building a 72-inch canopy around it, making it the **LARGEST CAPACITY STOVE BROODER** on the market.

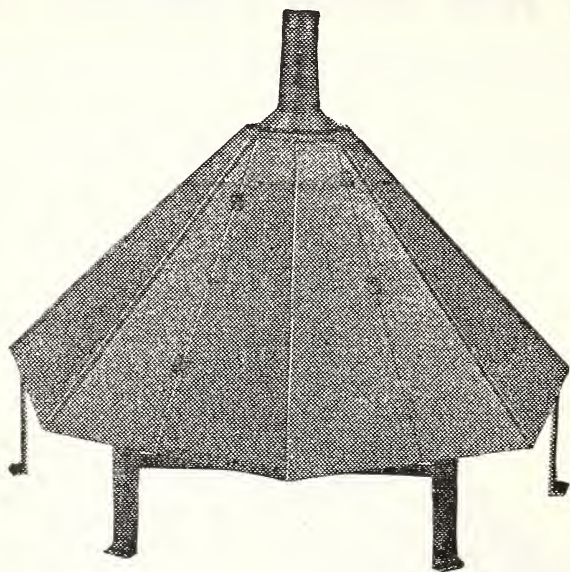
SPECIFICATIONS

Height of stove, 33 inches.
Height of legs, 6 inches.
Diameter of stove, 12 inches.
Diameter of feed door, $8\frac{1}{2} \times 5\frac{1}{2}$ inches.
Diameter of fire pit, $9\frac{3}{4}$ inches.

Diameter draw center grate, 9 inches.
Smoke pipe, 5 inches.
Diameter of canopy, 72 inches.
Height of hood, 40 inches.
Width at bottom of door, 28 inches.

Brick lined fire pot, shipping weight 156 pounds.

COLE'S HOT BLAST BROODER STOVE—(Continued)



CAPACITY—The 72-inch canopy gives you the largest capacity brooder on the market. This takes care of the largest flock of chicks without crowding. It is adapted to small as well as large flocks of chicks.

VENTILATION—The specially constructed hood and the patented Hot Blast Draft allows proper air over the fire and consumes the fuel gases.

LONG FIRE-HOLDING QUALITIES—As this soft coal burning brooder is air-tight and burns all the gases from the fuel and has a large capacity fire-pot, brick lined, it will positively hold an even heat for a much longer period than any other brooder stove on the market.

EASILY ATTENDED—As a large amount of fuel can be put into this stove, and as the drafts work automatically, it will give you the right amount of heat and requires little attention.

KIND OF FUEL—This brooder burns any kind of coal, being specially adapted to soft coal. It will warm the entire brooder house, regardless of the kind of coal used.

GASSING CHICKS—There is absolutely no danger of gassing chicks with the Cole Hot Blast Brooder Stove as it is built gas-tight and burns the the gases in the Patented Hot Blast Carburetor.

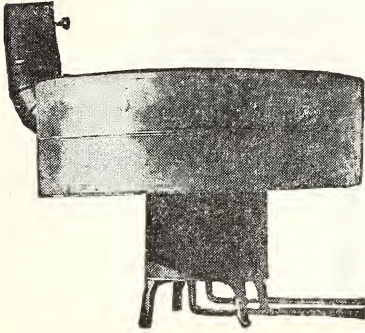
BROODER HOUSE—A special Brooder House is NOT necessary in using this soft coal brooder stove. Start your stove a day or two before putting chicks under it in order to warm and dry the floor.

TESTIMONIALS—Gentlemen: "After using the Cole's Brooder Stove for the past season, I can heartily recommend it to the busy farmer's wife, as this is a great fire holder and requires less attention than any brooder I have ever used." Mrs. Bert Caster, Union, Iowa. Gentlemen: "Having so much trouble with the brooder I was using, on account of the fire going out at night, I decided to try the Hot Blast Soft Coal Brooder, and I wish to say as soon as it was installed my chick brooding troubles were over, as it required less attention and ran a more even temperature, besides being a wonderful fire holder." Eunice Sunny, Linden, Iowa.

THE PHELAN BROODER

The PHELAN OIL BURNING BROODER uses the Room Method of Brooding rather than confining chicks under a canopy. Any good brooder house that has proper ventilation will do. The large Phelan Stove will keep a room 14 to 16 feet square, properly heated and will accommodate 1500 chicks. The medium size Phelan will warm a room 12 to 14 feet square, accommodating 700 to 800 chicks. The small Phelan should be used in a room not more than 8 to 10 feet square, housing 250 to 300 chicks.

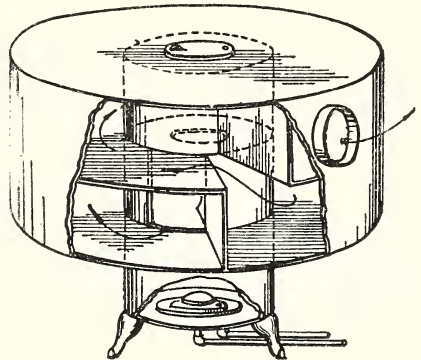
The double drum of the Phelan Brooder is a heat saving feature. It has been in use long enough to thoroughly prove its merit and is the choice of all breeders who prefer oil to coal brooders. All of the heat produced is stored in a patented heat drum which throws the heat down on the floor evenly. An automatic regulator keeps the burner flame at the correct height to maintain a correct temperature in every part of the room.



Cut at the right shows circulation of Heat in the Phelan Brooder. This action conserves the heat and radiates the greater portion close to the floor where it is needed most. Heat is first generated in the fire box close to the floor, circulates through both drums and warms the whole house before entering the flue. In the base of the brooder is an opening through which is drawn the foul air from the floor, and is carried off through the brooder stove to the flue. This aids the air circulation in your brooder room.

FEATURES OF THE PHELAN BROODER.

Fireproof, temperature automatically controlled, no fumes, generating burner, no danger from overflow, double drum giving maximum amount of heat, burns coal oil. All equipment furnished except stovepipe and oil drum. Fittings furnished to connect with standard oil drum such as coal oil comes in. Burns less oil than other brooders of this type and will keep up sufficient heat to keep your chicks warm all night long regardless of outside temperature.



Prices, Freight Paid to Your Station

36-inch, 1500 chick capacity brooder, complete.....	\$35.00
Base only.....	6.50
30-inch, 700 chick capacity brooder, complete.....	32.50
Burner only	6.00
24-inch, 300 chick capacity brooder, complete.....	27.50
Regulator, complete	6.75
Brooder thermometer .....	.60
Wafers, each .....	.75

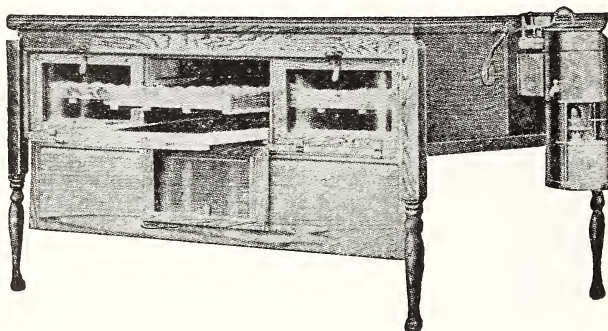
QUEEN INCUBATORS

THE HIGH ALTITUDE AND DRY CLIMATE CHAMPION

No longer need any poultryman hesitate to hatch with incubators in this high altitude and dry climate. The QUEEN has proved that it will do as good work here in this western country as will other machines 'back east' where good hatches are always expected. We have had so many excellent hatches reported from the QUEEN that we can no longer doubt their efficiency.

Visit any Agricultural College or Experiment Station and there you will find QUEEN INCUBATORS. Inquire about them and always the report will be "need less attention and hatch more eggs than any other incubator made."

The Standard QUEEN INCUBATOR has been and is today recognized as the standard of hatching efficiency. Poultrymen accept it as a standard and judge all other makes by it. Other manufacturers openly compare their own product to the QUEEN. More effort is put forth by the ordinary manufacturer than any other.



The Style K QUEEN INCUBATORS meet the demand for a reasonably good incubator at a popular price. They will give just as good results as the Standard Queen models if conditions are ideal. The Standard Queen models are recommended, however, where there is any doubt about hatching conditions, changes of temperature, ventilation, etc.

Prices, Freight Paid to Your Station

Style K Models

No. 20K, 70 egg capacity.....	\$16.50
No. 21K, 130 egg capacity.....	27.50
No. 22K, 220 egg capacity.....	36.75

Standard Models

No. 1, 85 egg capacity.....	\$ 27.50
No. 2, 135 egg capacity.....	37.50
No. 3, 180 egg capacity.....	44.50
No. 4, 275 egg capacity, with turning trays.....	57.75
No. 5, 400 egg capacity, with turning trays.....	68.00
No. 25, 600 egg capacity, with turning trays.....	103.00
No. 30, 800 egg capacity, with turning trays.....	162.00
No. 40, 1,000 egg capacity, with turning trays.....	200.00
No. 50, 1,500 egg capacity, with turning trays.....	300.00

QUEEN STOVE BROODERS

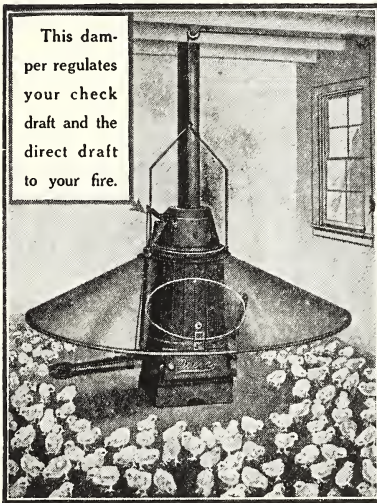
BURN EITHER HARD OR SOFT COAL

Free, complete Queen catalog on request. All Incubators and Brooders sold on time payments, see page 1. Better pay this moderate price for a good incubator, than to buy a cheap one and have to throw it away.

GASPROOF and FIREPROOF. There are no drafts on the smokepipe of the Queen Stove Brooder. The check rests on top of the stove and opens outward when fire is too warm, thus giving a gentle inflow of air to retard the heat. When it is too cool the wafer contracts and closes the check and at the same time opens the draft. This keeps an even heat all the time.

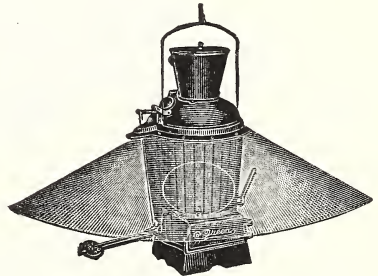
Hundreds of farmers use Queen Stove Brooders in their hog houses to protect winter and early spring litters from chilling. Results prove that they save many pigs that would ordinarily have been lost.

Queen Stove Brooders are slightly larger at the bottom than at the top, thus preventing the clogging of stove toward morning, that is so common in some brooders. Complete brooder catalog sent free on request.



Cut*at the right shows the new QUEEN MAGAZINE BROODER STOVE No. 4. This brooder stove ends the work of constant refueling and assures you plenty of heat during cold nights for large flocks. It has a 60-inch canopy and holds 75 pounds of coal. Fill the magazine and you can forget all about your stove for hours at a time. Has feed door above canopy and no openings for heat regulation below canopy, assuring safety to your chicks at all times.

Over a quarter of a century of satisfaction stands behind every QUEEN STOVE BROODER. Thousands are in daily use by poultry raisers in every part of the country. There is a model for every need and they are priced to fit your pocketbook.



QUEEN STOVE BROODERS, FREIGHT PAID TO YOUR STATION

No. 0, 400 chick capacity, 42-inch canopy.....	\$16.50
No. 1, 800 chick capacity, 52-inch canopy.....	21.50
No. 2, 1,200 chick capacity, 56-inch canopy.....	26.50
No. 4, 1,600 chick capacity, 60-inch canopy, magazine stove.....	32.50

A DOUBLE GUARANTEE

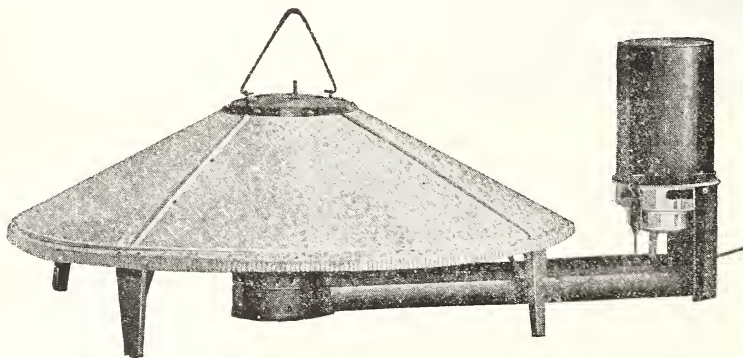
YOU have a double guarantee when you choose a Queen Incubator

1st. You have our guarantee that the Queen is the best incubator on the market in our estimation. We stand back of it and will make good all we claim for the Queen Incubator and Queen Incubator equipment.

2nd. You have the guarantee of the Queen Incubator Company, who for over 25 years have been making poultry supplies. They stand behind every dealer and are ready and willing to make good every Queen that does not completely fulfill every representation for quality, workmanship and material.

The QUEEN Oil Burning Brooder REQUIRES LITTLE ATTENTION. PLENTY OF HEAT WITHOUT DANGER

Clean the wick occasionally. Refill the tank every 48 hours, and it will take care of itself. Nothing to break.



CONSTRUCTION

This picture shows the construction of the legs. See how they are braced. An innovation in Brooders.

Wick of indestructible asbestos. No solder used on burner. All welded. Leaks almost impossible. Oil cannot overflow burner. Attractive guard around burner and cross pipes.

Two-gallon metal tank. Will burn 48 hours without refilling. Metal tank minimizes fire risk. No overflowing. No bottle to break. Few moving parts. All visible. Strong and rugged. Parts seldom need renewal.

300 Chick size (wt. 35 lbs.), 32-inch Hover.....	\$16.00
600 Chick size (wt. 40 lbs.), 42-inch Hover.....	18.00
1000 Chick size (wt. 45 lbs.), 42-inch Hover.....	20.00

THESE PRICES ARE PREPAID TO YOUR STATION

Close-to-Nature Oat Sprouters

Close-to-Nature Oat Sprouters are made in two styles. The Premium Sectional Sprouters are made mostly of Galvanized Sheet Steel with wood frames and are intended for use in a room where some heat is furnished. The Double Quick Sprouters are for use in unheated rooms. They are well constructed of Cypress Wood, well insulated, and produce the much to be desired Vapor Bath Sprouts.

PRICES AND DESCRIPTION

The Little Eggetter, 13x13x28 inches, 4 trays, 25 to 35 hens.....	\$ 7.95
Small Premium, 24x20x26 inches, 2 trays, 70 to 75 hens.....	10.00
S. P. with 1 section, 8 compartment, 4 trays, 100 to 140 hens.....	15.00
S. P. with 2 sections, 48-quart capacity, 6 trays, 150 to 200 hens.....	19.50
S. P. with 3 sections, 64-quart capacity, 8 trays, 200 to 275 hens.....	23.50
Large Premium, 48-quart capacity, 6 trays, 150 to 200 hens.....	18.00
L. P. with 1 section, 80-quart capacity, 10 trays, 250 to 325 hens.....	25.00
L. P. with 2 sections, 112-quart capacity, 14 trays, 350 to 425 hens.....	31.50
L. P. with 3 sections, 144-quart capacity, 18 trays, 450 to 550 hens.....	37.50
L. P. with 4 sections, 176-quart capacity, 22 trays, 550 to 675 hens.....	43.00

DOUBLE QUICK VAPOR BATH SPROUTERS

No. 24, weight 50 lbs., 24-quart capacity, 3 trays, 75 to 100 hens...	18.00
No. 40, weight 90 lbs., 40-quart capacity, 5 trays, 125 to 175 hens...	24.00
No. 80, weight 125 lbs., 80-quart capacity, 10 trays, 250 to 325 hens...	36.00
No. 160, weight 200 lbs., 160-quart capacity, 20 trays, 500 to 600 hens...	49.00
No. 256, weight 300 lbs., 256-quart capacity, 32 trays, 800 to 1000 hens...	72.00

OAT SPROUTERS may be purchased on the Easy Payment Plan, see page 1.

Ask for complete descriptive folder.

WORMS IN POULTRY

It is estimated that 90 per cent of the poultry in this country are infested with worms. The old method of worm treatment was to give tobacco dust in the mash feed. This, however, poisoned the fowl and retarded egg production for several weeks. It did not harm the eggs and larvae in the intestines and caused the worms to be expelled where they were again picked up by the flock.

We recommend two worm treatments, either of which will be found entirely effective.

1st. Barnes Emulsion, a non-poisonous liquid that is truly wonderful in its action. It acts as a tonic to your fowls, and at the same time is guaranteed to entirely rid your birds of Round worms or Pin worms, if directions are followed. It can be given to baby chicks as well as matured birds and should be used several times a year in order that best growth and production may be obtained.

2nd. Kamala Capsules. In obstinate cases, or where Tape worms are suspected, we recommend the use of Kamala Capsules. We sell those made by Dr. Salsbury, and believe them to be the best obtainable.

PRICES INCLUDE POSTAGE

BARNES EMULSION

Pint size, enough for 12 fowls.....	\$ 0.60
Quart size, enough for 25 fowls.....	1.00
Gallon size, enough for 100 fowls.....	3.00
5-gal kegs, enough for 400 fowls.....	12.50

KAMALA CAPSULES

Box of 50.....	\$1.00
Box of 100.....	1.75
Box of 200.....	3.00
Box of 300.....	4.25

MOE'S NEW INCUBATORS

MOE'S INCUBATORS are practical, reliable and efficient machines, which embody all of the correct principles of hatching and produce chicks of high vitality with a minimum of labor and expense. They are honestly and well made in every detail, and each machine bears the official label of the Underwriter's Laboratories, Inc., signifying sound, safe and reliable construction.

THE CABINETS are made of California Redwood, the very best material for incubators, as it is an excellent non-conductor of heat and cold, does not shrink, swell, warp or check under extreme changes of temperature, and does not absorb moisture or odors.

THE WALLS are of double construction, with a dead air space, and insulating material between. The Doors have double glass, fitted with substantial hinges and fasteners.

HOT WATER HEAT is the best and most satisfactory method of heating an incubator. The water is heated in the copper tank above the lamp and then circulates through the coils, producing a soft, even, uniform heat of the correct temperature in every part of the incubator. Solid copper tank and heating coils. Adjustable ventilators at top and bottom, so the amount of fresh air passing through the incubator can be easily regulated to suit varying conditions.

AUTOMATIC REGULATOR. The temperature is controlled by an automatic thermostat which is sensitive to the fraction of a degree, and automatically increases or decreases the supply of heat to the incubator.

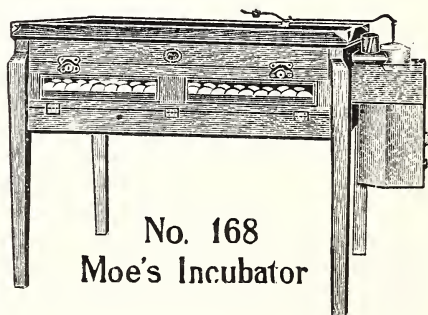
PATENT EGG TURNING TRAYS are simple in operation. All of the eggs are turned with one push or pull of the handle. Easier, quicker and better than turning by hand.

THE NURSERY TRAYS have a strong wood frame, covered with burlap, which gives the chicks a sure footing, and prevents them from injuring their legs. Chicks should be kept in the nursery until perfectly dry before being transferred to the brooder or hover.

PRICES, FREIGHT PAID TO YOUR STATION

No. 167—Capacity	150 eggs..	\$ 28.00
No. 168—Capacity	250 eggs..	40.00
No. 170—Capacity	400 eggs..	52.00
No. 172—Capacity	600 eggs..	80.00
No. 174—Capacity	800 eggs..	102.00
No. 176—Capacity	1200 eggs..	160.00

Complete with thermometer, egg tester, book of instructions and official label of the Underwriter's Laboratories, Inc.



No. 168
Moe's Incubator

FULL-O-PEP CHICK STARTER

(Made by the Quaker Oats Company)

Just the Things Baby Chicks Need

Oatmeal...Cod Liver Oil and Meal...Molasses

Quaker Ful-O-Pep Chick Starter "does the work" because it's just the right combination of the things baby chicks should have—and *nothing else!*

A base of pure, soft, oatmeal . . . vitamin-laden cod liver oil . . . fresh cod liver meal . . . valuable minerals . . . and now, *molasses!* These are ingredients every poultry owner should know about.

Think of this: *oatmeal is more digestible (96% available) than any other grain product.* It is soft and non-irritating. It just fits a baby chick's tender digestive tract.

The cod liver oil in Quaker Ful-O-Pep Chick Starter is the finest oil to be had. It works like sunshine, helps prevent rickets, leg weakness, toe-picking, and kindred ailments.

It helps to build large, strong bones.

Cod Liver Meal, in just the right proportion, adds to the efficiency of every other ingredient in Ful-O-Pep Chick Starter. It sends nourishment



Every poultry raiser remembers with dismay the terrible death losses of his young chicks in past seasons.

You can raise your chicks this year without these discouraging losses if you raise them on

FUL-O-PEP CHICK STARTER

After years of research science has discovered that Cod Liver Oil, when combined with other life and health-giving ingredients, greatly reduced leg weakness, with its consequent heavy death losses.

The Quaker Oats Company have combined this latest discovery of science



N-40 in Ful-O-Pep Chick Starter and extensive experiments have proved conclusively that it greatly reduces death losses. We now have this wonderful feed for our patrons. Let us supply YOU.

Manufactured by
The Quaker Oats Company

"right to the spot."

And now The Quaker Oats Company announces another important ingredient for this exceptionally good feed—*molasses!*

Tests over a period of years have proved the value of molasses in poultry feeding. It is rich in vitamin B. It contains potash. Being slightly laxative it relieves constipation. In Quaker Ful-O-Pep Chick Starter, it is of exceptional value in preventing coccidiosis.

Send for your free copy of the 1928 Ful-O-Pep Poultry Book. Your name and address on a card will do.

For Ful-O-Pep Chick Starter prices, see page 13.

FULL-O-PEP EGG MASH

(Made by The Quaker Oats Company)

Make Your Hens Give You Better Eggs---and More of Them

Now is the time to make your hens do their very best; make them give you better eggs, as well as more of them.

Quaker Ful-O-Pep Egg Mash will do this for you, encouraging the flock to deliver a full count of large, uniform, strong-shelled hatchable eggs.

Authoritative tests prove that oatmeal ranks first in "productive energy." And oatmeal—pure, fresh and clean—is the base of Quaker Ful-O-Pep Egg Mash.

Minerals, proteins, carbohydrates—the hen gets them all, plus cod liver meal in exactly the right proportion thoroughly mixed into the mash. The cod liver meal helps every other ingredient do better work.

Another ingredient of great value has been added to Ful-O-Pep Egg Mash in *molasses*, following years of careful study of the benefits of this material in egg production.

By means of an exclusive

process, The Quaker Oats Company is able to combine molasses with the other ingredients so the mash remains dry, mixing it so thoroughly that at every mouthful the hen gets a proper amount.

Eggs produced from Quaker Ful-O-Pep Egg Mash find favor everywhere. For hatching purposes they are unsurpassed, producing large, well-formed chicks that thrive and grow.



Used according to directions Quaker Ful-O-Pep Egg Mash proves most economical. Hens eat it eagerly, but obtain their nourishment more quickly. It is ready to use just as it comes from the sack.

For Ful-O-Pep Egg Mash prices, see page 13.

FUL-O-PEP

POULTRY FEEDS

WHAT THEY DO

Feeding, of course, is an all-important question with the poultry owner, whether he depends upon his flock for a living, or whether he "keeps chickens" as a side-line, or a hobby.

And while it is true that correct feeding alone will not guarantee poultry profits, it is a fact that no matter how careful the owner may be in matters of breeding, incubation, housing, and marketing he cannot hope for maximum profit, or satisfaction, unless he feeds efficiently.

A CHEAP FEED IS COSTLY

Now, efficient feeding is by no means a matter of buying the cheapest feed, or of using feed sparingly. Such an attitude toward feed-costs invariably leads the poultry owner into trouble and expense. Rather, efficient feeding calls for the employment of the very best feed obtainable, and its consistent use in an intelligent way.

Times have changed in the poultry industry, as in everything else. Efficient methods of feeding have greatly increased poultry production. To keep pace with the business any poultry owner must keep pace with modern methods of feeding and management; otherwise he will lag behind in production and profit.

PRICES—SUBJECT TO CHANGE AFTER APRIL 15, 1928

		500-lb. Lots Cwt.	1000-lb. Lots Cwt.	Ton Lots Cwt.
FUL-O-PEP CHICK STARTER				
100-lb. bags, cwt.	\$5.50	\$5.25	\$5.15	\$5.00
50-lb. bags, each	2.95	....	....	....
25-lb. bags, each	1.60	....	....	....
8½-lb. bags, each	.60	....	....	....
5-lb. bags, each	.40	....	....	....
FUL-O-PEP GROWING MASH				
100-lb. bags, cwt.	4.80	4.60	4.50	4.40
50-lb. bags, each	2.50	....	....	....
25-lb. bags, each	1.30	....	....	....
8½-lb. bags, each	.50	....	....	....
FUL-O-PEP EGG MASH				
100-lb. bags, cwt.	3.95	3.90	3.85	3.80
50-lb. bags, each	2.05	....	....	....
25-lb. bags, each	1.15	....	....	....
FUL-O-PEP FATTENING FEED				
100-lb. bags, cwt.	3.75	3.65	3.60	3.55
FUL-O-PEP FINE CHICK FEED				
100-lb. bags, cwt.	3.75	3.65	3.60	3.55
50-lb. bags, each	2.05	....	....	....
25-lb. bags, each	1.10	....	....	....
FUL-O-PEP COARSE CHICK FEED				
100-lb. bags, cwt.	3.50	3.45	3.40	3.35
50-lb. bags, each	1.90	....	....	....
25-lb. bags, each	1.00	....	....	....
FUL-O-PEP SCRATCH GRAINS				
100-lb. bags, cwt.	3.20	3.15	3.10	3.05
QUAKER BIG EGG SCRATCH GRAINS				
100-lb. bags, cwt.	3.00	3.00	2.95	2.90
QUAKER BULK ROLLED OATS				
100-lb. bags, cwt.	4.50	4.50	4.45	4.40
QUAKER PIN HEAD OATS				
100-lb. bags, cwt.	4.50	4.50	4.45	4.40
QUAKER OAT FLOUR				
100-lb. bags, cwt.	4.50	4.50	4.45	4.40

HOW TO RAISE BABY CHICKS SUCCESSFULLY

Chicks should be kept in the incubator or in shipping boxes until the youngest are about 48 hours old and the oldest about 72 hours old.

FIRST WEEK

Spread Ful-O-Pep Chick Starter on newspapers or cardboard for the chicks before they are put in the brooder house. The chicks walking about will rattle the paper. This will attract their attention and they will all get some.

Sprinkle some fine grit on top of the Starter for the first week. The chicks must be fed when they are put in the brooder house. Otherwise, they will start to eat litter and so starve to death when they are about a week old. Do not put any disinfectant in the drinking water.

Many poultrymen who are using Ful-O-Pep Chick Starter from the very beginning, are raising nearly 100 per cent from good hatches.

When the chicks are started on litter or sand without being fed, it frequently results in an uneven flock, for the litter eaters have little room or desire for feed.

When the first Chick Starter is given, be sure that you have provided enough trays, newspapers or cardboard for all the chicks. Otherwise, the smaller and weaker chicks will be crowded out from getting sufficient food. Do not try to reduce the amount of feed that the chicks eat by limiting the hopper space, for the big chicks will then get all they want and crowd out the smaller birds.

Keep Ful-O-Pep Chick Starter in front of the chicks dry just as it comes from the bag. And for the first week do not give the chicks anything else except fine limestone grit and some fresh, luke-warm water. Provide clean litter, such as cut alfalfa or clover. Have the litter one inch or so thick so that the chicks keep their feet warm. If the floor is left bare, or if sand is used without straw, it is likely to be too cold or too hot.

Take care that the chicks are not allowed to chill or become overheated.

If the chicks have been chilled or overheated before being placed in the brooder, or if they come from stock that is in bad condition, or if they are improperly incubated, a number may die when they are about a week old. Chicks that die at that age usually do so because their systems have been thrown out of condition and they are unable to eat. Or their deaths may be due to the fact that they began to eat litter and, therefore, starved to death. If the brooder is small or crowded, it is advisable to feed Ful-O-Pep Chick Starter on trays for about fifteen minutes at a time three or four times a day. This should be continued until the chicks get outdoors.

SECOND WEEK

In the second week continue to feed Ful-O-Pep Chick Starter. It may be fed in trays or hoppers from then on. Provide sufficient space so that all the chicks can eat at the same time and thus develop evenly. The Starter should be fed dry. Provide all the Chick Starter they will eat for they cannot harm themselves by overeating. The limestone grit can also be hopper fed. Milk may be given also if it is desired to hurry the pullets along.

In the second week you also can begin to feed Ful-O-Pep Fine Chick Feed. A tablespoonful each morning and another tablespoonful each night is the proper quantity for each 100 chicks. Unless the litter is especially clean it is best to sprinkle the fine chick feed on the chick starter in the hoppers. Hopper feeding is much more sanitary than letting the chick dig in soiled litter.

The Cod Liver Meal in Ful-O-Pep Chick Starter enable the chick to assimilate its food better. As a result it gets more good out of the oatmeal and other ingredients, and growth is fast and certain.

If you can keep your brooder house warm, let the chicks have a chance to run back and forth outdoors by the eighth day. Be very certain that it will be easy for them to find their way back to the brooder. They soon learn not to stay out too long and the air and sunlight will help them grow. Do not fail to provide a wind break or some other form of shelter if there is a cold wind.

If grass or other green range is not available, better chicks will be raised if they can be fed lawn clippings, carrots, lettuce, cabbage or turnips.

SECOND WEEK CRITICAL

The second week is frequently the critical week, which determines how the chicks are to grow and do, so you must watch temperatures and ventilation very closely.

If the chicks show any tendency to slacken their appetite, feed three or four times a day instead of constantly. (The brooder is probably too hot.) Continued lack of appetite is probably a sign of constipation. To remedy this put one teaspoonful of epsom salts to each gallon of water for a day or two.

From the third to sixth week continue to feed Ful-O-Pep Chick Starter. Keep it in hoppers in front of the chicks all the time. If it is kept dry, it will always be sweet, and there is no danger of overfeeding.

Provide a clean, bright grit at all times and plenty of fresh, clean water. Give chicks a chance to run on a good grass range, if possible. Let them get outdoors as much as possible, always remembering that they must be protected in stormy, wet and windy weather. Gradually increase the amount of Ful-O-Pep Fine Chick Feed that you are giving them each morning and each night, so that at the end of the sixth week you will be feeding about three parts by weight of Ful-O-Pep Chick Starter to two parts by weight of Fine Chick Feed. Always watch the litter or troughs. Be sure that you are not overfeeding on Fine Chick Feed.

ONE POUND AT SIX WEEKS

It is particularly desirable to feed Ful-O-Pep Chick Starter until the chicks are six weeks old, because that is ordinarily the end of the danger period. The Cod Liver Oil and Cod Liver Meal in Ful-O-Pep Chick Starter will be found especially beneficial in preventing leg weakness, coccidiosis, and other chick ailments that may otherwise cause much trouble during the first six weeks. When the chicks are six weeks old they should weigh about a pound, and should have eaten a total of one and one-half pounds of Ful-O-Pep Chick Starter and one-half pound of Ful-O-Pep Fine Chick Feed.

Change gradually from Ful-O-Pep Chick Starter to Ful-O-Pep Growing Mash when the chicks are seven weeks old and keep the Growing Mash in front of the chicks at all times. Provide enough hopper space so that the small chicks will not be crowded out by the large ones.

COARSE CHICK FEED, NOW

Change now to Ful-O-Pep Coarse Chick Feed instead of Fine Chick Feed, and gradually increase the amount of Coarse Chick Feed so that the birds are eating more of the Coarse Chick Feed than the Growing Mash when they are five months old.

Now is the time when the pullets are forming their frames and structures, and if you want them to grow to full size and have the vigor necessary for good egg production, give them the Growing Mash. They cannot make the proper growth or development on grain alone.

The amount of Ful-O-Pep Growing Mash the birds should eat will vary with the age and size of the bird and the season of the year. If you want them to mature early, feed heavily on Ful-O-Pep Growing Mash. If you want to retard laying, feed more heavily of Ful-O-Pep Coarse Chick Feed. Late hatched birds should be brought along steadily and rapidly. It is usually wise to hold back the early hatched birds and not let them lay until they are five or six months of age.

Early hatched birds should be fed all the Ful-O-Pep Coarse Chick Feed they will eat after they weigh $1\frac{1}{2}$ to 2 pounds. If the pullets begin to shoot their combs, indicating they are getting ready to lay too young, restrict the Growing Mash and make them range more, but do not restrict the feed so that the birds will be stunted. And always keep bright, shiny grit and plenty of fresh water available.

THE "HALF-AND-HALF" RATION

When pullets are six months old, feed them half Ful-O-Pep Growing Mash and half Egg Mash. This is the famous 50-50 ration that develops the finest egg producers. In addition to the 50-50 Mash, feed one quart of Ful-O-Pep Scratch Grains to twelve pullets daily or fourteen fowls to 100 pullets.

The Ful-O-Pep Growing Mash frequently starts pullets laying at four to five months of age. If it is your intention to keep the pullets for egg production, they should be kept from laying until they are five to six months old. This may be done by reducing the amount of Growing Mash and feeding more Ful-O-Pep Coarse Chick Feed.

After the birds have matured, follow the Ful-O-Pep way of feeding hens and watch the eggs roll out. Ful-O-Pep Egg Mash supplies the egg building materials for maximum production.

Keep Your Lawn Beautiful

To have a beautiful lawn or the most productive garden, more is needed than plenty of water. It is far better to thoroughly fertilize lawns and gardens once or twice a year than to try to grow grass or plants with water. City folks are the worst offenders in this respect as farmers and gardeners make it their business to use fertilizers as needed.

Probably twice the necessary watering is given the average city lawn in a vain endeavor to keep the grass green when what is really needed is a good plant food. We recommend Sacco or a good grade of Bone and Blood Meal for this purpose.

The use of manure should be avoided for lawns as there is practically no soluble matter in manure while weed seeds of many kinds will be sown in your lawn after its use.

Evergreen Fertilizer (Bone and Blood Meal), will be found one of the best fertilizers for lawns and gardens. It contains no weed seeds and goes much farther than manure. One hundred pounds will fertilize a plot 25 by 100 feet. Spread it early in the spring, wetting it down thoroughly as soon as spread to prevent blowing away.

Evergreen Fertilizer (practically odorless)—25 lbs. \$1.00, 50 lbs. \$1.50, 100 lbs. for \$2.75.

Ford's Fertilizer (Sulphate of Ammonia), will be found valuable for use during the growing season, but must be carefully used as it has a tendency to burn tender foliage. For vegetable gardens and field crops use 100 to 150 lbs. per acre. For lawns use one pound to 200 square feet.

Sulphate of Ammonia—One pound 15c, 2 lbs. 25c, 5 lbs. 50c, 10 lbs. 75c, 25 lbs. \$1.50, 50 lbs. \$2.75, 100 lbs. \$5.00.



Plant Food



Makes Things Grow

SACCO is a specially prepared PLANT FOOD for the development of fine LAWNS, GARDENS, SHRUBS, FLOWERS and TREES. It has the endorsement of highest authorities on plant nutrition.

SACCO is very effective and economical. A light application once or twice a year, of 2 to 4 pounds per hundred square feet, will keep the lawn in excellent growing condition.

SACCO has more than four times as much plant food value as pulverized manures. Full directions for use on each package.

CLEAN—ODORLESS—Easy to Apply

1 lb. Can.....	\$.25
5 lb. Bag.....	.50
10 lb. Bag.....	.85
25 lb. Bag.....	1.75
50 lb. Bag.....	3.00
100 lb. Bag.....	5.00

The
PLANT FOOD
without an
EQUAL!

HOPPERS, GRIT AND SHELL BOXES AND FEEDING TROUGHS

Moe's Dry Mash Hoppers

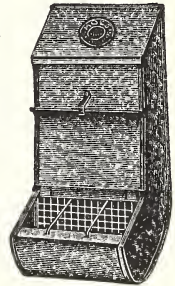
Postage Extra

A Dry Mash Hopper of great merit, made of heavy galvanized iron. All parts accurately stamped with dies. The curved bottom keeps the feed within easy reach of the birds, and the taper shape of the hopper—larger at the bottom—prevents the feed from clogging.

The wire grid and the wires running from the flange through the wire grid prevent the fowls from throwing out or wasting the feed.

The sloping top prevents them from roosting on the hopper. When both covers are closed it is rat, mouse and weather proof.

Made in four sizes.



No.	Height	Width	Capacity	Each
35	19 in.	8½ in.	10 Qts.	\$1.50
36	19 in.	12 in.	14 "	2.10
37	19 in.	18 in.	22 "	2.40
37	19 in.	24 in.	32 "	3.00

SANITARY FEEDING TROUGHS

Can be used for feed, wet mash or water. Barrel top prevents wasting of feed and is used for water; does away with the little chicks drowning. The feed saved by using this trough will more than pay for itself in a few weeks. Made of the best grade of galvanized iron in three sizes, namely:

No. 21—Each\$0.35

12 inches long, packed 12 in, shipping weight, 12 pounds.

No. 22—Each\$0.60

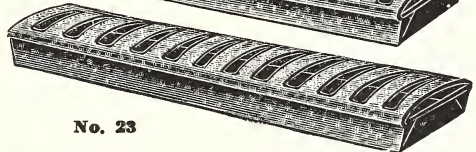
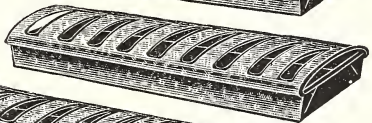
18 inches long, packed 6 in, shipping weight, 10 pounds.

No. 23—Each\$0.70

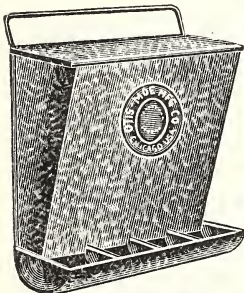
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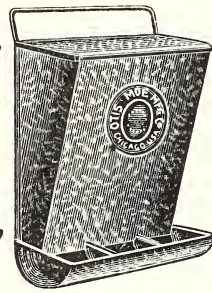
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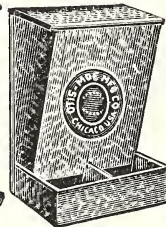
No. 23



No. 90—Four-compartment round bottom.



No. 8—Three-compartment round bottom.



No. 45—Two-compartment Square bottom.

GRIT AND SHELL BOXES

Postage or express extra.

Grit, shell and charcoal have now become a recognized essential part of the diet insuring healthy fowls. They cannot be more economically supplied than in one of our inexpensive compartment boxes. Can also be used as a feed hopper for little chicks. Made of heavy galvanized iron in three sizes.

No. 45—For baby chicks. Each.....	\$0.45
No. 8—For grown chicks. Each.....	.90
No. 90—For grown birds. Each.....	1.20

MOE'S ROUND BABY CHICK FEEDERS

Postage or express extra.

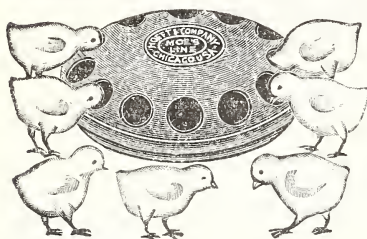
Pure food for baby chicks. A great feed saver, as the little chicks cannot get into it and contaminate the feed. Cannot be upset. Can also be used for water or milk. This is a practical well-made feeding device that will last for years. Manufactured in two sizes.

No. 11—6 inches in diameter, 8 feeding holes.

Each\$0.12

No. 12—8½ inches in diameter, 12 feeding holes.

Each25

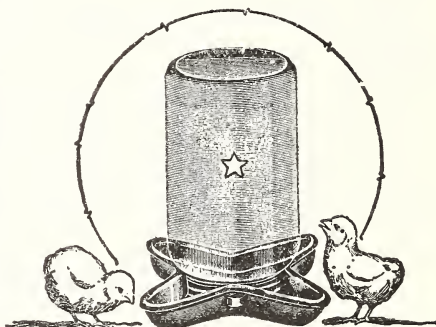


MOE'S STAR JAR FOUNTAIN AND FEEDER

The Most Simple, Practical Patented and Durable Mason Jar Fount on the Market

Will fit pint, quart or one-half gallon Mason jar. Manufactured of one piece of non-rusting metal. No parts to come unsoldered. Leaking impossible. Convenient, cheap and sanitary. Provides greater drinking surface than the round fountain. Little chicks cannot get drowned. Can be used for feed as well as water. Manufactured in one size only. No. 32—Without the jar.....\$0.10

Packed in containers of one gross; shipping weight, 35 pounds. Lesser quantities, shipping weight per dozen, 4 pounds.



MOE'S TOP-FILL FOUNTAINS

Postage or express extra.

Fill in the morning and your chickens have an all day's supply of pure water at just the right temperature.

The double wall keeps water cool in summer and retards freezing in winter. No valves to get out of order. Thoroughly sanitary and as easily cleaned as an ordinary pail. Does away with slopping over when being filled. Can be hung up out of the litter and the square pan prevents spilling at that time. The square pan also affords drinking facilities for two pens at the same time.

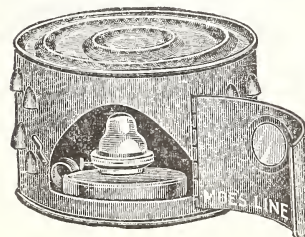
Fills from the top. Prevents all spilling and slopping over when being filled. The most popular fountain on the market.

Manufactured of heavy galvanized iron in three sizes and packed in individual containers.

No. 1—1-gallon capacity, shipping weight 4 lbs., each.....\$1.75

No. 2—2-gallon capacity, shipping weight 5 lbs., each..... 2.75

No. 4—4-gallon capacity, shipping weight 8 lbs., each..... 3.25



MOE'S COLD CLIMATE HEATERS

Postage or express extra.

This heater with one of our Top-Fill Fountains or our No. 74 5-gallon Wall Fount solves the problem of supplying your poultry with strictly fresh, clear water at all times, no matter how cold. The lamp bowl holds sufficient kerosene to run seven days. Keeps water from freezing in any climate. Can be used with all fountains. Nothing to get out of order.

No. 10—Packed 3 in, weight 12 pounds. Each.....\$2.00

Moe's Winter Fountain

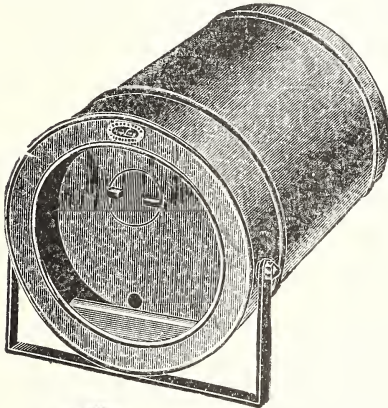
A simple and reliable fountain with heater. Made of heavy galvanized iron, easily filled, with nothing about it to get out of order.

The fountain has a capacity of 5 gallons, and the lamp holds sufficient kerosene to burn continuously for one week.

The fountain can be removed from the heater and used independently when desired.

Packed one in a box. Shipping weight, 11 pounds complete.

No. 75—Winter Fountain. Each.....\$3.95



Moe's Insulated Double Wall Fountain

Made of best quality galvanized iron, with double walls packed with an efficient insulating material.

Keeps the water warm in winter, and cool in summer. Has a large filler opening so it can be easily

cleaned, which is a very important feature, and one that is lacking in most insulated wall fountains.

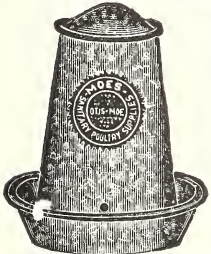
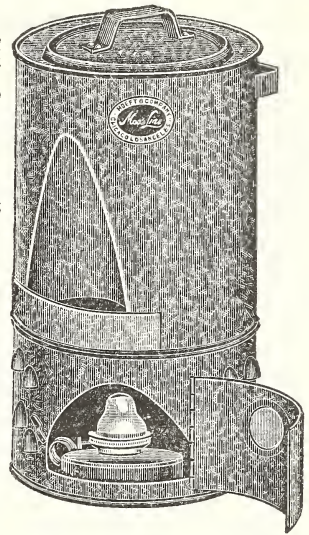
Easy to fill, easy to clean, and feeds the water automatically. An excellent winter fountain, and equally good in summer to keep the water cool and fresh.

The wrought iron stand or rest is hinged, and acts as a handle to carry the fountain.

Plenty of fresh water at the right temperature, in zero or torrid weather will keep your birds healthy and increase the egg yield.

Shipping weight, 16 lbs. Capacity, 3 gallons. Packed one in a box.

No. 8—Moe's Insulated Wall Fountain, each..\$4.75



Bottom-Fill Fountains Postage or Express Extra

Made in two pieces, easily cleaned and owing to its shape it will not burst from freezing. This fountain fills the breeder's needs for an inexpensive fountain. Made of the best grade of galvanized iron, in three sizes.

A General Utility Fountain at a Low Price

	Size	Packed	Ship Weight	Price
No. 19—	About 1-quart capacity....	2 doz. in	18 lbs. Each	\$0.25
No. 20—	About ½-gallon capacity....	2 doz. in	25 lbs. Each	.40
No. 24—	About 1-gallon capacity....	1 doz. in	16 lbs. Each	.55

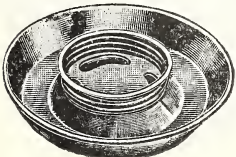
Aluminum Feeding Troughs

Buttermilk Feeding Troughs, made of pure aluminum, which is not affected by the acids of milk and similar feeds.

The Trough and top are each stamped in one piece, no seams, rivets or solder used. Sliding Top makes it easy to clean and fill.

Made in two sizes.

No.	Length	Packed	Shipping Weight	Each
69	10 in.	24 in box	10 lbs.	\$0.55
70	20 in.	12 in box	9 lbs.	.95

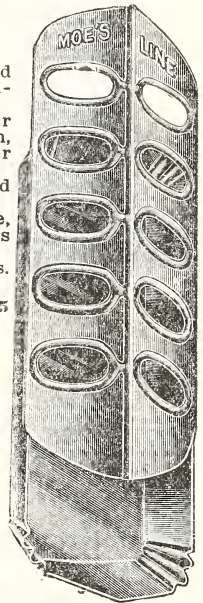


Mason Jar Fountain

No. 142—Mason Jar Fountain, made of tin, and is screwed on an ordinary glass jar. Diameter 6¼ in. Packed one gross in a carton. Shipping weight per gross, 38 lbs.

Price, each 10c; dozen, \$1.20.

(Glass jars are not included.)



Moe's Single Feeding Troughs

For Chicks and Growing Stock

Made of best quality galvanized iron, accurately stamped with dies. No sharp or rough edges to injure the chicks.

Sliding top. Easy to fill and clean. Made in three sizes. Can be hung on the wall.



No.	Length	No. of Holes	Packed	Shipping Weight	Each
55	12 in.	9	24 in box	18 lbs.	\$0.25
56	18 in.	13	24 in box	23 lbs.	.35
57	24 in.	18	24 in box	31 lbs.	.45

Moe's Double Feeding Troughs

For Chicks and Growing Stock

Made of best quality galvanized iron, accurately stamped with dies. No sharp or rough edges to injure the chicks. Sliding top. Easy to fill and clean. Made in three sizes.



No.	Length	No. of Holes	Packed	Shipping Weight	Each
58	12 in.	18	24 in box	26 lbs.	\$0.35
59	18 in.	26	12 in box	18 lbs.	.55
60	24 in.	36	12 in box	23 lbs.	.65



Moe's Magazine Chick Feeder and Waterer

A new round chick feeder with a magazine or container to hold a good quantity of feed. The upper magazine is fitted to the feeder top with a spiral thread so it can be adjusted up or down to feed the various kinds of grain. It can also be used as a drinking fountain, as the magazine is water and air tight.

Diameter of feeder, 8 1/4 in. Height, 8 1/2 in. Capacity, 2 quarts.

Number of feeder holes, 12.

Packed 24 in a box. Shipping weight, 26 pounds.

No. 18—Moe's Chick Feeder. Each.....\$0.55
Per dozen 6.60

Moe's Large Capacity Feeder

A wonderful feeder for young growing stock. Has a large capacity, with 16 openings on each side, so that 32 chicks can feed at one time. The birds cannot roost on the cover or sides, so it is impossible to foul the feed.

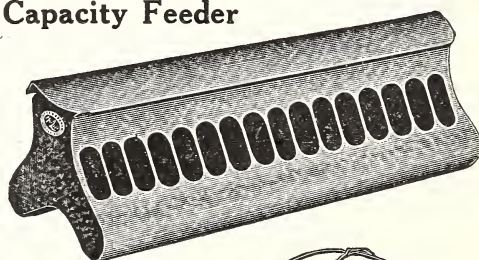
Has a sliding top cover, easy to fill and clean.

A great time and labor saver where chicks are raised in large numbers.

Made of heavy galvanized iron.

Length, 21 in. Width, 8 1/2 in. Height, 7 in. Capacity, 10 quarts. Packed 6 in a carton. Shipping weight (6), 24 lbs.

No. 140. Chick Feeder. Each, \$1.40. Per doz., \$16.80

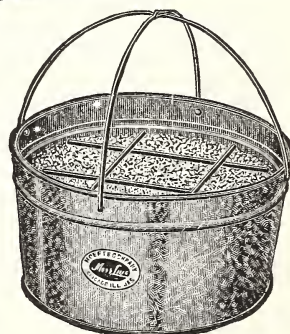


Moe's Round Mash Hopper

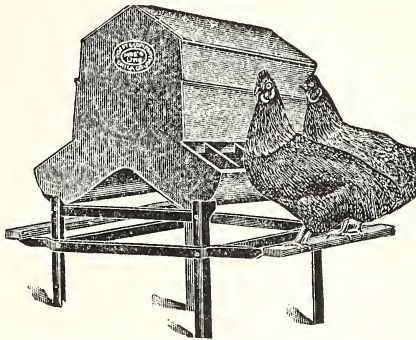
Diameter, 10 in. Height, 5 1/4 in. Capacity, 8 quarts. Packed 6 in carton. Shipping weight (6), 20 pounds.

No. 150—Round Mash Hopper. Each.....\$0.65

Per dozen 7.80



MOE'S MAMMOTH DRY MASH HOPPER



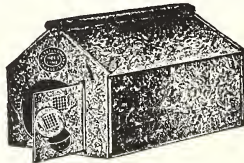
A large capacity hopper built on correct principles. Made of heavy galvanized iron, strong and substantial in every detail.

Has many excellent features; for instance it will accommodate a full 100 lb. bag of mash, doing away with the annoyance and waste of having a partly empty bag of mash on the premises. The feed is within easy reach of the chickens, and is protected from the weather and from the ravages of rats and mice.

The taper shape and interior construction provides a uniform automatic feed, and the wire grid and cross wires prevents any waste.

The stand is of heavy angle iron, painted, and has wooden bars for the poultry to rest on when feeding. Length of hopper, 35 in. Width, 21 in. Height, 18½ in. Capacity, 100 lbs. Height of stand, 15½ in. Total height, 34½ in. Packed one in a box. Shipping weight, 50 lbs. Hopper and stand complete. Price, each.....\$13.50

MOE'S SQUARE BROOD COOPS



Shipped
Knocked Down

Quickly
Set Up

Made of heavy, best quality, galvanized iron. The bottom is removable so the coop can be easily cleaned and kept in a sanitary condition.

Provides a perfect shelter for both the hen and chicks.

Has a combination door which can be adjusted.

1—To keep the hen in and permit the chicks their liberty.

2—To keep both hen and brood in, with perfect protection against weather, rats, cats and other animals; and yet allow ample ventilation.

3—To give both hen and chicks their liberty.

Made collapsible to save freight and space. Quickly set up.

Size 16 inches wide, 23 inches long, 16 inches high.

Packed 3 in a crate. Shipping weight, 33 lbs.

No. 49—Price, each.....\$2.50

MOE'S OAT SPROUTER

Made entirely of metal. Strong and rigid.

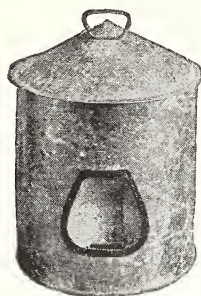
Provides the very necessary green feed at all seasons. Healthy chickens and more eggs.

The frame is of steel, well braced and neatly painted. Has six heavy galvanized iron pans. Five of the pans have perforated bottoms to secure the proper drainage, and the bottom pan is solid to hold the drippings. Pans are interchangeable. Sectional frame can be quickly taken apart and stored in a small space.

Total height of frame, 3 ft. Size of pans, 16 in. by 18 in.

Packed knocked down 1 in a crate. Shipping weight, 25 lbs. Moe's Oat Sprouter, each.....\$7.00





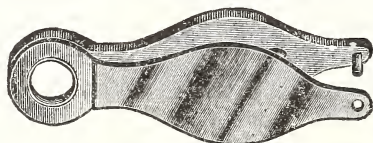
MOE'S SANITARY FOUNTAIN

Positively Will Not Freeze

The simplest, handiest, and most practical fountain made. Keeps water warm in winter and cool in summer. Has no lamps to trim and no valves to get out of order. Saves time, labor and worry and costs nothing to use. This fountain has been on the market for nine years, has been used by prominent poultry men throughout the country and has stood the test in all temperatures.

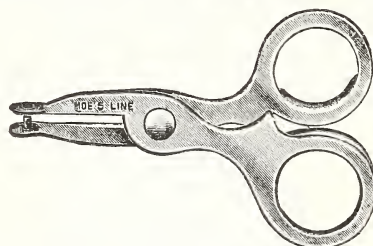
Size	Height	Diameter	Shipping Weight	Price
2 gallons	15½ inches	13 inches	15 lbs.	\$1.00
3 gallons	18 inches	14 inches	20 lbs.	4.75
5 gallons	22 inches	15 inches	30 lbs.	6.00

PERFECT POULTRY PUNCH



No. 38—A popular and practical punch for marking baby chicks.....\$0.15

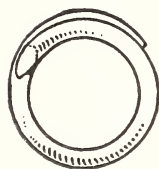
NO. 39—MOE'S IDEAL PUNCH



A new improved punch, scissors type. Works easily, cuts clean and does not pinch the foot. Each.....\$0.35

KEY RING COLORED LEG BANDS

Price List



POULTRY SIZES

12 bands.....	\$0.15
25 bands.....	.25
50 bands.....	.35
100 bands.....	.65
500 bands.....	3.00
1000 bands.....	5.50

PIGEON AND BABY CHICK SIZES

12 bands.....	\$0.10
25 bands.....	.20
50 bands.....	.35
100 bands.....	.50
500 bands.....	2.25
1000 bands.....	4.00

MOE'S ALUMINUM LEG BANDS



12 bands.....	\$0.15	100 bands.....	\$0.75
25 bands.....	.25	500 bands.....	3.50
50 bands.....	.45	1000 bands.....	6.00

REGAL EGG CARRIERS

Capacity	Dimensions	Packed	Ship. Wt.	Each	Dozen
15 Eggs	4x 7x11 in.	12 in a box	15 lbs.	\$0.30	\$ 3.60
30 Eggs	8x 7x11 in.	6 in a box	14 lbs.	.50	6.00
50 Eggs	8x12x11 in.	3 in a box	13 lbs.	.85	10.20
100 Eggs	14x12x12 in.	2 in a box	15 lbs.	1.75	21.00



HIGH GRADE TESTED THERMOMETERS

INCUBATOR THERMOMETER NO. 5774, \$0.75

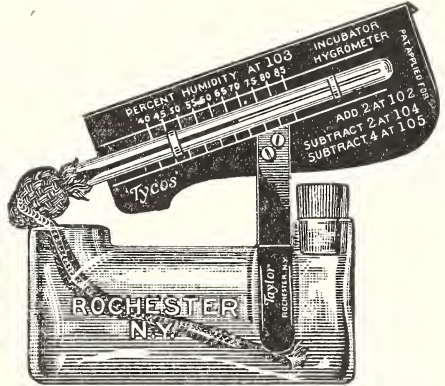
An extra good Incubator Thermometer, with round corners, tube set at an angle, \$1.00.

No. 5782 Certified Thermometer with scale also etched on the glass tube, with certificate, 90c.

No. 5790. Brooder Thermometer, with magnifying lens front, 90c.

TYCOS HYGROMETER.

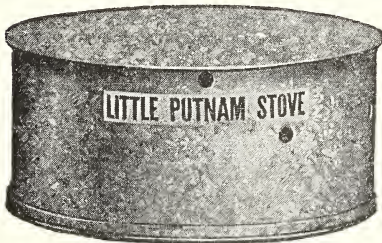
The use of an incubator hygrometer effectively lessens the percentage of chicks dying in the shell, due very largely to improper moisture conditions. The illustration shows the correct position of the instrument in use, taking the place of one egg in the egg tray, thus showing the conditions actually surrounding the eggs. Price, \$1.75. Extra wicks for same, each, 10c; per doz., \$1.00, postpaid.



INCUBATOR THERMOMETER No. 5774.

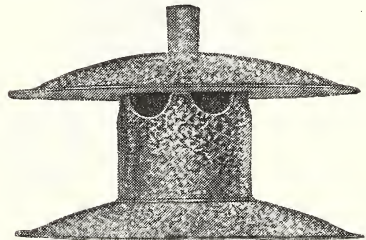
TYCOS HYGROMETER.

Little Putnam Stove



Put your poultry water cans or fountains on this little stove and keep fresh luke-warm water before your chickens all winter. You will be surprised at the difference in egg production this will make.

Note that it burns three to four weeks without filling or trimming the wick. Can you beat it?



BROODER HEATER

Pat'd June 13, 1916—Dec. 11, 1917.

This fire-safe Putnam Brooder Heater is the heart of the Putnam Home-made Brooder. It requires tending only once a week and can be relied upon to deliver a regular supply of heat, \$4.75.

A little Putnam Stove is nine inches in diameter and four inches high. It is made of galvanized iron and equipped with a burner which embodies an entirely new principle in oil combustion. The combustion is complete and perfect, doubling the heat value of the oil. The oil tank holds three pints of oil and burns three to four weeks without refilling or any other attention. The wick never needs trimming. The stove with any kind of fair usage will last a life-time.

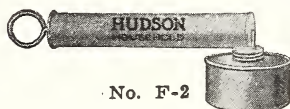
Little Putnam Stove, price \$1.95 each, postpaid.

Price List of Parts for Putnam Stove—Tank, \$1.00; Wick Holder, 10c; Filler Cap, 10c; Wicks, per dozen, 10c.

Note cut of THE LITTLE PUTNAM STOVE at the left. This is undoubtedly the best little bargain you ever bought for the money. \$2.50, postpaid.

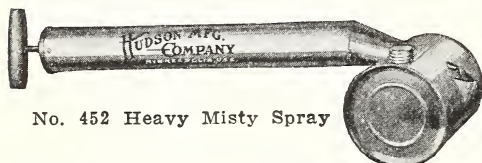
SPRAYERS

Postage or Express Extra



No. F-2

No. F-2—Hudson Household Sprayer.
Each25c
Capacity about 5½ ozs., just the thing
for household use.



No. 452 Heavy Misty Spray

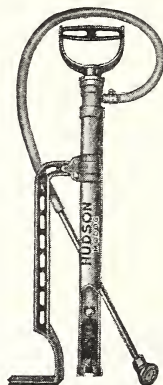
No. 452—Heavy Tin Misty Sprayer.
Each50c
A favorite in and around the house,
yard, garden and chicken house.
Well soldered and not easily put out
of commission. Capacity, one quart.



No. 110-G Perfection

No. 110-G — Perfection, Galvanized
tank\$7.00
No. 110-B—Perfection, Brass tank.
.....\$10.00

The Hudson Perfection Sprayer is the
best general high pressure compressed
air machine we have yet offered. Can
be used for whitewashing, disinfecting
and all purpose spraying. Capacity 4
gallons, shipping weight 12 pounds.



No. 122 Modoc

No. 122—Hudson Modoc Bucket Pump.
Each\$4.20

Used for fruit trees, vines and poul-
try houses. Is double acting and de-
velops 150 pounds nozzle pressure. In-
terchangeable nozzles produce any de-
sired spray.



No. 140-G Junior

No. 140-G—Junior\$5.00

The Hudson Junior is a medium size
high pressure compressed air sprayer
particularly adapted for small truck
farm or poultry plant. Differs from
larger models only in capacity, 2½ gal-
lons. Operates perfectly at any pres-
sure. Shipping weight about 9 lbs.

Miscellaneous Poultry Feeds and Supplies

PRICES SUBJECT TO CHANGE.

	100 lbs.	50 lbs.	25 lbs.	For \$1.00	For 50c.
Simpson's Mixed Hen Feed....	\$ 2.65	\$1.45	\$0.80	30 lbs.	13 lbs.
Simpson's Buttermilk Egg Mash	3.00	1.60	.90	28 lbs.	13 lbs.
Sprouting Oats	3.75	2.00	1.10	20 lbs.	9 lbs.
Meat Scrap, best grade only....	4.75	2.95	1.55	16 lbs.	8 lbs.
Meat Meal, odorless.....	4.85	3.00	1.60	15 lbs.	7 lbs.
Oil Meal	3.75	2.05	1.15	22 lbs.	10 lbs.
Charcoal, any size.....	3.75	2.05	1.15	22 lbs.	10 lbs.
Lime grit, any size.....	1.75	1.00	.75	37 lbs.	17 lbs.
Granite Grit, any size.....	1.25	.75	.50	65 lbs.	25 lbs.
Oyster Shell, any size.....	1.40	.80	.50	60 lbs.	25 lbs.
Alfalfa Meal, best grade.....	2.00	1.15	.75	35 lbs.	15 lbs.
Green Cut Bone.....	3.75	2.00	1.10	20 lbs.	9 lbs.
Poultry Bone Meal.....	3.75	2.00	1.10	20 lbs.	9 lbs.
Blood Meal	5.50	2.90	1.60	13 lbs.	6 lbs.
Standard Egg-A-Day, poultry mineral feed and tonic.....	7.50	4.00	2.50	12 lbs., 1.25	5 lbs., .65
Dr. Hess Pan-a-cea.....	12.00	6.50	3.50	12 lbs., 1.75	5 lbs., .85
Dr. Hess Stock Tonic.....	12.00	6.50	3.50	10 lbs., 1.50	3½ lbs., .65
Dr. Hess Louse Killer—2½-lb. pkg., 60c; 1-lb. pkg., 30c.					
Dr. Hess Dip and Disinfectant—Quart, 75c; half gal., \$1.25; gal., \$2.25.					
Dr. Hess Fly Chaser—Half gal., \$1.00; gal., \$1.75.					
Dr. Hess Roup Tablets—50c and \$1.00.					
Dr. Hess Diarrhoea Tablets—50c and \$1.00.					
Dr. Hess Poultry Worm Powder—1½-lb. pkg., 60c; 4-lb. pkg., \$1.50.					
Le Gear's Poultry Prescription—100-lb. Drum, \$10.00; 25-lb., \$3.00; 12-lb., \$1.20.					
Le Gear's Fly Chaser—5-gal. can, \$6.25; gal., \$1.65; half gal., \$1.00.					
Le Gear's Stock Powders—100-lb. drum, \$10.00; 25-lb., \$3.00; 12-lb., \$1.20.					

We carry practically all lines of poultry and stock preparations though have not space to list all of them. Write us when in want of anything not listed, if we can possibly get it for you we will be only too glad to do so.

FEEDS FOR DOGS, FOXES, CATS, ETC.

Carrying Charges Extra.

CHAPPEL BROS. BALANCED FOODS, IN CANS.

Send for descriptive circular.

Ken-L-Ration	....1 -lb. cans	17c ea., 10 for	\$1.50, case of 48 for	\$6.50
Hemo-Ration	....1 -lb. cans	17c ea., 10 for	1.55, case of 48 for	6.65
Pup-E-Ration	....1 -lb. cans	18c ea., 10 for	1.60, case of 48 for	7.00
Pup-E-Ration	....2½-lb. cans	45c ea., 10 for	4.00, case of 18 for	6.65
Maro-Meat	.....2½-lb. cans	45c ea., 10 for	4.20, case of 18 for	6.75

This is a remarkably popular line of feeds and deserves your attention. The descriptive circular is free and we will gladly send one on request.

Ken-L-Ration furnishes a complete diet for dogs of any size.

Hemo-Ration is a blood making food especially recommended for breeding animals, and for anemic and convalescent animals.

Pup-E-Ration contains red meat, organic iron, calcium phosphate, etc., for growth of body, bone and coat.

Maro-Meat is a meat and marrow product, highly concentrated, and designed for a basic feed, to be mixed with cereals or other dog foods such as Perfection, Peerless, or Kibbled biscuit.

CHAMPION DOG AND FOX FOODS.

Dog and Fox Biscuits—2-lb. pkg., 45c; 4-lb. pkg., 75c; 25-lb. carton, \$3.25; 50-lb. carton, \$6.25; 100 lbs. for \$12.00.

Kibbled Biscuit—5-lb. pkg., 80c; 25-lb. carton, \$3.35; 50-lb. carton, \$6.50; 100 lbs., \$12.50.

Puppy Biscuit—1½-lb. pkg., 35c; 25-lb. carton, \$3.35; 50-lb. carton, \$6.50; 100 lbs., \$12.50.

Puppy Meal—1½-lb. pkg., 35c; 25-lb. carton, \$3.35; 50-lb. carton, \$6.50; 100 lbs., \$12.50.

Send for booklet "The New Pup," it is well worth reading.

SPRATTS DOG FOODS.

Too well known to require description.

Spratts Fibo—A crumbled food for dogs or cats of all ages. 1-lb., 20c; 2 lbs., 35c; 10 lbs., \$1.60; 25 lbs., \$4.00; 50 lbs., \$7.50.

Spratts Ovals—Small, light, oval biscuits, very nourishing and in handy form to feed. 1 lb., 20c; 3 lbs., 50c; 10 lbs., \$1.50; 25 lbs., \$3.65; 50 lbs., \$7.15; 100 lbs., \$14.00.

AUSTINS DOG, PUPPY AND FOX FOODS.

Well liked by large breeders.

Austins Dog and Fox Biscuits—1 lb., 15c; 5 lbs., 75c; 10 lbs., \$1.30; 25 lbs., \$3.00; 50 lbs., \$5.75; 100 lbs., \$11.25.

Austins Puppy Cakes—Thin narrow biscuits. 1 lb., 15c; 5 lbs., 75c; 25 lbs., \$3.15; 50 lbs., \$6.00; 100 lbs., \$11.90.

FEEDS FOR DOGS, FOXES, CATS, ETC.---Cont.

PERFECTION DOG AND FOX FOODS.

A favorite with large dog kennels and Fox Farms. A granulated cereal and meat food supplying every necessary element to growth and coat. 1 lb., 15c; 5-lb. bag, 75c; 10-lb. bag, \$1.25; 25 lbs., \$2.25; 50 lbs., \$4.00; 100 lbs., \$7.50; 500 lbs. for \$35.00.

BENNETT'S BONE SHAPED BISCUITS.

A great favorite for small breeds and shy feeders.

Bennett's Dog Biscuit—Small pkg., about 11½ ozs., 20c each; large pkg., about 31 ozs. net, 45c.

Bennett's Puppy Biscuit—Smaller biscuits, priced same as above. In quantity, small pkgs., \$2.20 doz.; large pkgs., \$4.75 doz.

DR. GEO. W. CLAYTON'S REMEDIES FOR DOGS.

The favorite of local kennels. 60c remedies include the following: Mange, Skin Medicine, Hair Tonic, Distemperine liquid, Distemperine tablets, Condition Pills, Blood Pills, Digestive Tablets, Laxative Pills, Worm Pills, Tape Worm Expeller, Vermifuge liquid, Vermifuge soft capsules, Red Worm Bullets, Canker Lotion, Eye Lotion, Fit Remedy, Cough Remedy, Sulphur Tablets, Puppy Tonic, Rheumatic Tablets, Diarrhoea Remedy, Chorea Tablets.

Goitre Remedy, \$1.00. Cod Liver Oil Emulsion, \$1.00. Shampoo Soap, 25c; Kilflea Soap, 25c; Kilflea Powder, 35c.

Clayton's Cat Remedies 60c include—Mange, Distemperine, Catnip Tonic Condition Tablets, Blood Purifying and Cooling Tablets, Digestive Tablets, Laxative Tablets, Worm Tablets, Tape Worm Expeller, Vermifuge liquid, Canker Lotion, Eye Lotion, Fit Tablets, Cough Remedy, Diarrhoea Tablets, Mouth Wash; Cat Wash and Disinfectants, 25c; Kilflea Powder, 35c. Be sure to specify whether you want Dog or Cat remedies when ordering. We pay postage on remedies.

Send for Dr. Clayton's Free books on Dogs and Cats.

Q-W DOG REMEDIES.

The following are \$1.00 each—Mange and Flea Soap, Condition Powder, Mange Lotion, Worm Mixture, Tapeworm Mixture, Flea Oil and Coat Grower, Constipation Pills, All About Dogs, Healing Salve, Tonic and Red Blood Builder, Liquid Sulphur Compound, Eye Salve, Flea Powder, Rheumatism Tablets, Cough Mixture. The following are \$1.25 each—Phosphated Cod Liver Oil Comp., Verminol, Ear Canker, Diarrhoea Tablets, Fit Tablets, Liniment; Distemperol, \$2.00; Breeding Tablets, \$2.00. We pay postage on remedies.

FREE BOOKLET ON REQUEST.

Grow Your Own Vegetables and Garden "Sass"

Half the pleasure of springtime is in making garden, and the city folks who miss this real recreation, miss the better half of living. We all like to see things grow, and the fact that practically every human has this urge, is evidence that the Almighty intended that we should "reap, even as we have sown," even though it be in a small home garden.

Every child will welcome the chance to plant and care for a small plot, and with a little encouragement, will take care of it throughout the summer. The responsibility of a small garden will help your children develop the traits that make for better manhood and womanhood.

In this age of apartment houses and too many autos, we might all profit by a "back to the soil" campaign.

PLANT A GARDEN—YOU WON'T BE SORRY

Artichoke

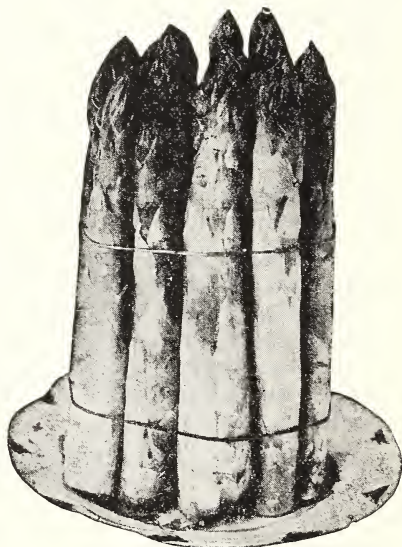
One ounce will sow 100 feet of row, and produce about 500 plants. A deep, rich, sandy loam is best adapted to this plant. The seed should be sown thinly in drills $1\frac{1}{2}$ in. deep, 1 ft. apart. When large enough transplant to permanent rows 3 feet apart, allowing 2 feet between the plants. They reach maturity the second year, and in the northern states should be protected in winter by covering of leaves or coarse manure. A bed will continue in bearing for several years.

Improved Large Green Globe. Heads large, fleshy and of rich flavor. Cooks up nicer than usual because of fine grained flesh. Pkt., 10c; $\frac{1}{2}$ oz., 60c.

Asparagus

One ounce will sow 50 feet of row and produce about 800 plants. Sow the seed early in spring in drills 12 to 14 inches apart and when well started thin out to 3 inches apart. When 1 or 2 years old, transplant into permanent beds, thoroughly trenched, 2 feet or more in depth. Set the plants in rows 2 feet apart, and not less than 18 inches apart in the row. Care should be taken that the roots are well spread and set at a depth of 6 inches below the level of the bed. Cover only 2 or 3 inches, and fill in gradually as the plants grow. Very little, if any, should be cut the first year after transplanting, but a fair crop can be cut the second year. Every fall, after the tops have been cut down, apply a dressing of coarse manure, and in the spring fork it in. An occasional top-dressing of salt at the rate of $\frac{1}{2}$ pound to the square yard is also beneficial and keeps down the weeds.

Conover's Colossal. A standard sort, green in color. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 80c.



Palmetto Asparagus.

Palmetto. Earlier than Conover's. Of Southern origin, but suitable for the North also; large, productive. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 80c.

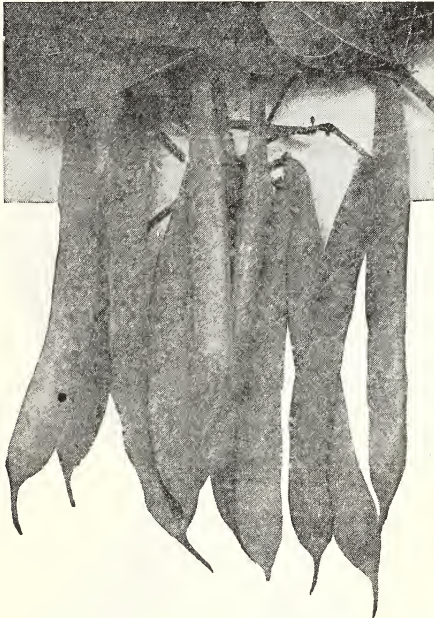
Asparagus Roots, any variety, 2 yr. old,
50c doz.; \$2.00 per 100. Postage extra, 5c
doz.; 35c per 100.

BEANS

One pound will plant 100 feet of drill.

CULTURE. No crop responds more readily than Beans to good soil and cultivation. A light, rich, well-drained loam which was manured for the previous crop is the most desirable. If too rank manure is used it is apt to make the plant run too much to vine.

Beans are very sensitive to both cold and wet and it is useless to plant them before the ground has become dry and



Burpee's Stringless Green Pod.

warm. The large returns will result from planting in drills from two to three feet apart. Cover the seed one and one-half to two inches deep and thin the young plants three to six inches apart in the row. If planted in hills, make the hills about two feet apart each way. For succession, plant at intervals of two weeks till mid-summer. The plants up to the time of blossoming should have frequent shallow cultivation, but any mutilation of the roots by cultivation after the plants come into bloom is likely to cause the blossoms to blast and so cut off the crop. Cultivation should always be very shallow and it is useless to expect a crop from a field so poorly prepared as to need deep stirring after planting.

Bush Green Pods

We pay postage on Beans.

Burpee's Stringless Green Pod. Earliest, most hardy and absolutely stringless. Pkt., 5c; $\frac{1}{4}$ lb., 10c; lb., 35c.

Long Yellow Six Weeks. Early, long podded variety, good producer, tender and brittle. Pkt., 5c; $\frac{1}{4}$ lb., 10c; lb., 35c.

Giant Stringless Green Pod. Extra long, brittle pods. Pkt., 5c; $\frac{1}{4}$ lb., 10c; lb., 35c.

Ex. Ea. Red Valentine. Round fleshy pods. Pkt., 5c; $\frac{1}{4}$ lb., 10c; lb., 30c.

Dwarf Horticultural. Excellent for green or shell beans. Pkt., 5c; $\frac{1}{4}$ lb., 10c; lb., 30c.

California or Colorado Butter. Larger than Lima and shaped like a Navy. Best shell bean grown. Pkt., 5c; $\frac{1}{4}$ lb., 10c; lb., 35c.

Fordhook Bush Lima. Does well in light soil. Pkt., 5c; $\frac{1}{4}$ lb., 10c; lb., 40c.

Henderson's Bush Lima. Smaller than regular Lima but better producer in this territory. Pkt., 5c; $\frac{1}{4}$ lb., 10c; lb., 35c.

Bush Wax Pods

Improved Golden Wax. Pods broad and flat and very abundant. Pkt., 5c; $\frac{1}{4}$ lb., 10c; lb., 35c.

Dwarf Black Wax. Deep yellow pods, crisp and brittle. Pkt., 5c; $\frac{1}{4}$ lb., 10c; lb., 35c.

Davis White Wax. Favorite with market gardeners, makes good shell bean. Pkt., 5c; $\frac{1}{4}$ lb., 10c; lb., 30c.

Brittle Wax or Kidney Wax. Favorite for canning. Pkt., 5c; $\frac{1}{4}$ lb., 10c; lb., 35c.

Golden Cluster Wax. Similar to Golden Wax above. Pkt., 5c; $\frac{1}{4}$ lb., 10c; lb., 35c.

Pole or Running Varieties

Kentucky Wonder. King of all Pole Beans. Long, stringless pods in great abundance. Green. Pkt., 5c; $\frac{1}{4}$ lb., 10c; lb., 30c.

Kentucky Wonder Wax. Yellow pod variety equal to Kentucky Wonder. Pkt., 5c; $\frac{1}{4}$ lb., 10c; lb., 30c.

Lazy Wife. White seed, green pod, stringless. Pkt., 5c; $\frac{1}{4}$ lb., 10c; lb., 30c.

Dutch Case Knife. Old time favorite. Pkt., 5c; $\frac{1}{4}$ lb., 10c; lb., 30c.

Cut Short or Corn Hill. Planted with corn. Pkt., 5c; $\frac{1}{4}$ lb., 10c; lb., 30c.

TABLE BEETS

CULTURE. Beets require a deep, rich, mellow soil, and may be sown from early spring to commencement of summer. Drop about an inch deep in drills 12 to 18 inches apart. One ounce to 60 feet of drill; 6 to 8 lbs. to the acre. When well up thin to from 3 to 4 inches apart. The young beets pulled out of the row are excellent when used as spinach.

Detroit Dark Red. Favorite Beet for table or canning. Deep blood red throughout. Tender and fine flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c.

Early Blood Red Turnip. Turnip Beet. Early variety, tender and second to above. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c.

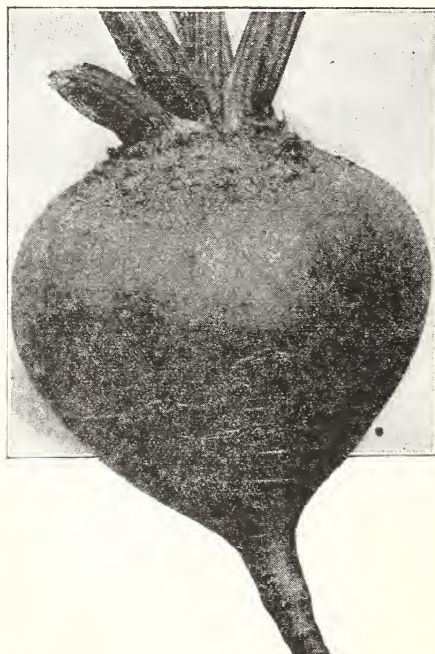
Early Eclipse. Globular shape, early and tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c.

Ex. Early Egyptian. Earliest of Beets. Larger than most varieties but not as tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c.

Long Smooth Blood. Best long beet grown. Late variety hence good for second crop. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c.

Swiss Chard or Foliage Beet. More desirable than Spinach for greens. Leaves are broad, flat and green with white stem. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 65c.

the heaviest yielding Mangels there is, producing under proper conditions from 40 to 80 tons per acre, many specimen roots weighing from 40 to 50 pounds, and being of fine texture and good quality. Pkt., 5c; $\frac{1}{4}$ lb., 20c; lb., 50c.



Detroit Dark Red.

Sugar and Stock Beets

Culture. The soil for these should be plowed more deeply and the drills should be farther apart than for garden Beets. Sow in April or beginning of May in drills from 2 to 3 feet apart, and when 4 to 5 inches high thin to 12 or 15 inches in the row. As soon as frost comes dig up the roots, cut top off and then pile 5 to 6 feet deep on a raised and sloping situation and cover at frost with straw or hay and one inch of earth. As it gets colder, increase to 5 or 6 inches of earth; by so doing all danger of heating is obviated, and the roots keep until next summer. Four or five pounds are sown to the acre. Sugar Beets are also used for stock feeding, and while not as large as the Mangels, they have a higher percentage of sugar and therefore are of higher feeding value.

Sugar Beets

Vilmorin's Improved Sugar. This is one of the best for making sugar. The skin is a creamy color and flesh is white. Pkt., 5c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Lane's Imperial Sugar. Large, thick, tapering variety; yields almost as much as mangels. Is sweet and rich and very desirable for stock. Pkt., 5c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Selected Golden Tankard. Most nutritious variety in cultivation; roots large, ovoid, but filled out at top and bottom, terminating with a small tap-root; flesh deep golden yellow, solid, crisp, sweet and rich; excels all others in milk-producing qualities, and very productive. It has no superior as a keeper. Pkt., 5c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Stock Beets

Long Red. Our stock of this variety has been grown in Germany and is the result of continued careful selection. It is one of

Broccoli

This plant belongs to the family of "Brassica," and is cultivated like Cabbage, Cauliflower and the other members of that family. Sow early in the spring, then transplant and set out. It will form heads

DON'T DELAY!

ORDER TODAY!

like Cauliflower, but it is more hardy and of less delicate flavor. It is grown in cold localities to some extent and also in the south for winter use.

Purple Cape. Pkt., 5c; ¼ lb., 60c; lb., \$1.50.

Large White Mammoth. Pkt., 5c; oz., 50c.

Brussels Sprouts

Brussels Sprouts. Are a very delicate vegetable and deserve a more general cul-

tivation than they receive. The plant belongs to the Cabbage family and should be grown and cultivated like Cabbage. The "sprouts" which grow around the strong upright stems of the plant, look like miniature cabbages. Very hardy, improved by frost. One ounce will produce 2,000 plants.

Dwarf Improved. Bearing a large crop of small, solid, tender heads. Pkt., 5c; oz., 20c; ¼ lb., 70c.

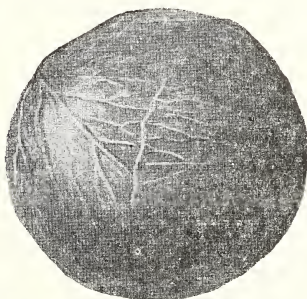
CABBAGE

Have you ever made any Sauerkraut or Liberty Cabbage? It is easy to make, and we will be glad to tell you how. It sure will taste good to you next winter.

CULTURE. For early Cabbages sow the seed in a hotbed in March or April, covering the seed from one-quarter to one-half inch deep and when big enough transplant to another bed. As soon as the ground is in good condition, transplant outside in rows 2 feet apart and 15 to 18 inches in a row. The soil should be mellow, rich and well drained. For late crops the seed can be sown in a cold frame or even in the open ground, and then transplanted in rows 3 feet one way and 2 feet the other, so as to be able to work with a horse and cultivator. One ounce of saltpeter dissolved in 3 gallons of rain water, sprinkled over the Cabbage or Cauliflower will destroy the green worm. The liquid being clear does not color the Cauliflower or Cabbage heads. Fine air-slacked lime or tobacco dust sifted on the young plants as soon as the fleas appear on the ground will prevent them from doing harm. One ounce of good seed will produce 2,000 plants.

Earliest Varieties

Copenhagen Market. The earliest round head, short stem Cabbage offered today. The heads are even in size of about 8 lbs. average and will stand longer than other early varieties without bursting. Pkt., 5c; oz., 25c; ¼ lb., 80c; lb., \$2.50.



Cabbage. Copenhagen Market.

Early Jersey Wakefield. Cone shaped heads maturing from late in June to July. Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., \$2.00.

Early Wittingstadt. But little later than Wakefield. Heads round and solid. Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., \$2.00.

Glory of Enkhuisen. Medium early, solid round heads. Pkt., 5c; oz., 25c; ¼ lb., 80c; lb., \$2.50.

Early Dwarf Flat Dutch. One of the most reliable headers. Medium early. Can be planted close on account of absence of "wing" leaves. Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., \$2.00.

All Seasons. Good variety for kraut. Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., \$2.00.

Second Early or Round Headed

Premium Late Flat Dutch. Favorite for late crop. Makes enormous size and uniform solid heads. Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., \$2.00.

Danish Ballhead or Hollander. Hardest heading variety known. One of the best keepers. Pkt., 5c; oz., 25c; ¼ lb., 80c; lb., \$2.50.

Mammoth Red Rock. Largest heading Red Cabbage. Fully as large as Flat Dutch and fine grained. Pkt., 5c; oz., 25c; ¼ lb., 80c; lb., \$2.10.

If you don't find a lot of bargain seed collections in this catalog remember it's because we ditch 'em when they get too old to grow.

AMERICANS EAT FAR TOO LITTLE CABBAGE. NO VEGETABLE KNOWN
IS SO RICH IN NECESSARY MINERAL SUBSTANCES.

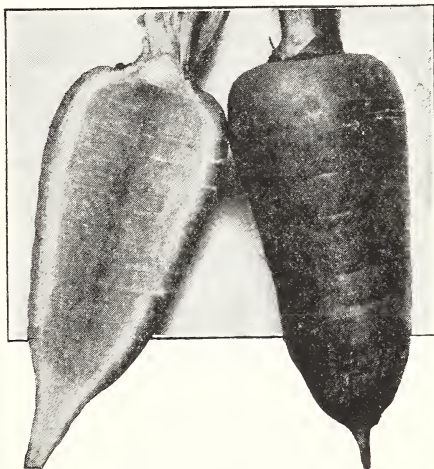
CARROTS

One ounce will sow 100 feet of drill; 3 to 4 pounds for an acre.

CULTURE. Carrots may be sown in hotbeds in February for early use. In open ground from March to first of July; however, main crop will produce best results if sown from first of May to first of July. Thin out early plantings to 5 inches apart in the row and main crop 6 to 8 inches apart. The rows should be 10 inches apart for early crop and 15 to 18 inches for main crop. Cultivation should be carefully performed to keep down the weeds and deep hoeing between the rows will give a large increase in the crop. Sow from 2 to 3 pounds to the acre. Carrot tops, cut from young plants, may be used for garnishing.

Ox Heart, or Guerande. Especially desirable for clay soil. Root is short and thick and flesh is bright orange in color. Heart is tender and not woody. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

Danver's Half Long. One of the leading varieties. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



Danver's Half Long.

Chantenay. Medium early and very productive. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

Improved Long Orange. Good in light sandy soil. Larger than other late varieties. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

Early Scarlet Horn. Extra early and for that reason recommended for market. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

Large White Belgian. Used for stock only. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c.

Celery

One oz. will produce from 5,000 to 10,000 plants.

Culture. The conditions necessary for successful Celery cultivation are good seed, plenty of manure and complete fertilizers, moisture and cultivation. The most suitable soil is rich loam finely pulverized and highly enriched with 30 to 40 loads to the acre of good stable manure. Sow seed in boxes for early planting; later plants

may be produced from seeds sown in frames or open ground. Transplant 4 inches apart when 3 inches high, water and protect until well rooted, then transplant into rows for garden culture 18 inches to 2 feet apart, for field culture in rows 4 to 6 feet apart; set the plants from 8 to 12 inches apart, supply plenty of moisture and see that plants receive thorough cultivation. They may be set either on the surface or in well manured trenches 1 foot in depth. To blanch draw earth around the plants, being careful not to cover the tops of the center shoots.

Giant Pascal. By far the most popular Celery. Medium to small size but wonderfully well flavored. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

Golden Self Blanching. Blanches easily and larger than Pascal. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

Celeriac

(TURNIP-ROOTED CELERY.)

Culture. Grown mostly for its bulbous roots. Seeds are started and plants set out in the same way as advised for Celery. Celeriac is not usually blanched, but is very fine when thus treated, and much harder than the stalk Celeries.

Large Smooth Prague. An improved form of turnip-rooted Celery; round smooth roots with very few side roots. Pkt., 5c; oz., 30c; ¼ lb., \$1.00.

Chicory

Culture. Sow seed in early spring as for Carrots, in rows 12 to 16 inches apart and thin the plants to 2 or 3 inches. To blanch the leaves for salad in winter, dig the roots in the fall, cut the leaves off a little above the root crown and place them horizontally in layers alternating with layers of sand or loam in a dark cellar, the tops all pointing outward of the sloping heap. One ounce will plant about 100 feet of drill.

Large Rooted. The dried roots are roasted and mixed with coffee or used as a substitute. Pkt., 5c; oz., 15c; ¼ lb., 50c.

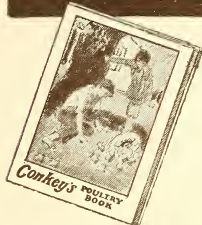
Collards

Culture. This is a variety of Cabbage largely grown in the South, where it is extensively used for man and beast. It forms a large, loose, open head, or mass of leaves. Freezing does not injure the crop. Sow seeds in the South from January to May, August to September.

True Georgia. Pkt., 5c; oz., 15c; ¼ lb., 50c.

Have a *Conkey* corner in your Poultry House

Ready for
Emergency



Conkey's Roup Remedy

When Roup breaks out there's no time to experiment—start treatment at once—the disease is very contagious. Cold, rainy weather and changeable conditions intensify Roup. When

birds sneeze, froth in eyes, or run at nose put Conkey's Roup Remedy in the drinking water. Sick birds doctor themselves and others are protected from catching the disease.

EASTERN PRICES—Pkgs. 25c, 50c, \$1.00; 1½ lb. can \$2.35, all postpaid; 5 lb. can \$5.50; \$5.75 postpaid.

COLORADO and WEST—Pkgs. 30c, 60c, \$1.20; 1½ lb. can \$2.50, all postpaid; 5 lb. can \$5.75; \$6.00 postpaid.

Conkey's Roup Pills

For treating individual cases and for use at shows when birds develop colds.

EASTERN PRICES—Pkgs. 25c, 50c, \$1.00, all postpaid; breeder size (1000 Pills) \$2.75; \$3.00 postpaid.

COLORADO and WEST—Pkgs. 30c, 60c, \$1.20, all postpaid; breeder size (1000 Pills) \$3.00; \$3.25 postpaid.



Conkey's Canker and Bronchitis Remedy

This splendid remedy checks cancerous growths and sores and soon restores the bird to normal. This remedy is Conkey's Specific for bronchitis. Also desirable in treating individual cases of Roup.

EASTERN PRICES: Pkg., 50c; pt., \$1.20; qt., \$2.00; gal., \$7.00. All sent carrying charges extra.

COLORADO and WEST—Pkg., 60c; pt., \$1.45; qt., \$2.40 gal., \$8.00. All sent carrying charges extra.



Conkey's Cholera Remedy

So-called Cholera, bowel troubles, indigestion, diarrhea and kindred ailments often kill a whole flock in a few days. Diarrhea, a drowsy, listless appearance and great thirst—these are the signals to put Conkey's Cholera Remedy in the water.

EASTERN PRICES—Pkgs. 25c, 50c, \$1.00; or 30c, 55c, \$1.10 postpaid; breeder size (5 lbs.) \$2.50; or \$2.65 postpaid.

COLORADO and WEST—Pkgs. 30c, 60c, \$1.20; or 35c, 65c, \$1.30 postpaid; breeder size (5 lbs.) \$3.00; or \$3.15 postpaid.



Conkey's White Diarrhea Remedy

Once you have used this old reliable preparation you will never be without it. As a preventive of bowel troubles, White Diarrhea and other digestive complaints, it has given great satisfaction for many years. Once started diarrhetic conditions often sweep away the whole hatch—hundreds of chicks. Play safe—keep this remedy in the drinking water until the danger period is past. This remedy is also recommended as a preventive measure and for treatment of coccidiosis.

EASTERN PRICES—Pkgs. 25c, 50c, \$1.00, all postpaid; breeder size (1200 Tablets) \$3.75; \$3.85 postpaid.

COLORADO and WEST—Pkgs. 30c, 60c, \$1.20, all postpaid; breeder size (1200 Tablets) \$4.00; \$4.10 postpaid.

Conkey's Poultry Laxative

Wherever a laxative or purgative is needed this remedy is just the thing for birds—by varying the dosage you can produce either a mild or a strong effect. Works without a debilitating after-effect. Experts say, and we have found through experiments, that a poultry laxative given every week or two not only keeps birds in better condition but increases the egg yield.

EASTERN PRICES—Pkgs. 25c, 50c; or 30c, 55c postpaid; breeder size (5 lbs.), \$2.75; or \$2.90 postpaid.

COLORADO and WEST—Pkgs. 30c, 60c; or 35c, 65c postpaid; breeder size, \$2.75; or \$2.90 postpaid.

Conkey's Fly Knocker for Cows and Horses

Dairymen, horsemen, cattlemen and sheep raisers declare this remedy the best investment they make; animals free from insects do better in milk and butter fat production, while growing stock unquestionably fattens faster when relieved from disease-spreading insects.

Conkey's Fly Knocker for many years has held the confidence of persons having animals under their care as an "always reliable" repellent.

Buy a can; try it for 15 days, then if you are not satisfied we will refund your money.

EASTERN PRICES—Cans, qt. 60c; 2 qt. 90c; gal. \$1.50; 5 gal. \$7.25; 10 gal. \$14.00. Parcel post, express or freight charges extra.

COLORADO and WEST—Cans, qt. 80c; 2 qt. \$1.35; gal. \$2.00; 5 gal. \$9.00; 10 gal. \$17.00. Parcel post, express or freight charges extra.





Conkey's POULTRY TONIC

Conkey's Poultry Tonic helps birds to get more out of their feed; they produce more eggs and better flesh on LESS FEED, through better digestion and assimilation.

Conkey's Tonic is all medicine—free from filler, red pepper, and "hot stuff" to overstimulate the birds and break down their health. Conkey's builds on a natural healthy basis, inducing steady and persistent laying. Keeps the young chicks growing, makes molting easy, strengthens the bird for bad weather and generally maintains a high health average.

EASTERN PRICES—Packages, 1½ lbs., 25c; 3¼ lbs., 50c; 7 lbs., \$1.00; pails, 12 lbs., \$1.60; 25 lbs., \$3.00; bags, 50 lbs., \$5.50 100 lbs., \$10.50. Parcel post, express or freight charges extra.

COLORADO and WEST—Packages, 1½ lbs., 30c; 3¼ lbs., 60c; 7 lbs., \$1.20; pails, 12 lbs., \$2.25; 25 lbs., \$3.75; bags, 50 lbs., \$7.00; 100 lbs., \$13.00. Parcel post, express or freight charges extra.



Conkey's

Limberneck Remedy

For limberneck (or ptomaine poisoning) this remedy should be on hand in your Conkey Corner at all times as Limberneck must be treated promptly.

EASTERN PRICE—Pkg. 50c; or 55c postpaid.

COLORADO and WEST—Pkg. 60c; or 65c postpaid.

Conkey's Scaly Leg Remedy

This ointment applied to birds' legs in a few treatments will kill the parasites responsible for the trouble and heal up the legs with a healthy lustre.

EASTERN PRICE—Pkg. 25c; or 30c postpaid.

COLORADO and WEST—Pkg. 30c; or 35c postpaid.

Conkey's Gape Remedy

Don't try to extract gapes with a wire or feather when you can get such an effective remedy as Conkey offers. This remedy comprises two powders—both in same box for one price—one sifted over chicks causes them to dislodge the worms in windpipe by coughing, the other is a tonic powder which is mixed in the feed—to help the bird build up its resisting powers.

EASTERN PRICES—Pkgs. 25c, 50c; or 30c, 55c postpaid.

COLORADO and WEST—Pkgs. 30c, 60c; or 35c, 65c



Conkey's Y-O Concentrated Dry Powder Form of Yeast with Cod Liver Oil

Rich in Vitamins A, B, and D.

There is nothing finer than Conkey's Y-O to mix in with poultry mash. Its use at every stage of growth is urged because of the great benefit. 1% in baby chick mash serves as a prevention of leg weakness. Absolutely indispensable in raising chicks in backward season with little or no sunshine, as it is rich in vitamins A and D (the "sunlight vitamins"). In addition, the B vitamin in Y-O insures complete, rapid development, giving birds capacity and stamina for future production. Wonderful for growing stock. Absolutely necessary for continued heavy egg production as it replaces the vitamins used up in forming rich egg yolks. Hens won't break down as layers if given 2%—3% of Y-O with mash feed. For breeding stock, it's wonderful as it improves quality of the eggs, fertility and hatchability. Stop low hatches and high chick mortality by mixing Y-O with the mash feed.

NEW LOW PRICES

due to the increasing volume of Y-O business and economy in manufacturing. You get this saving.

EASTERN PRICES—Pkgs. 1 lb. 65c; 2 lbs. \$1.15; 5 lbs. \$2.50; 25 lbs. \$11.25; 50 lbs. \$20.00; 100 lbs. \$32.50. Express extra.

Conkey's Stock Tonic

EASTERN PRICES—Pkgs. 25c, 50c, \$1.00; pails, 12 lbs. \$2.10; 25 lbs. \$3.45; bags, 50 lbs. \$5.25; 100 lbs. \$10.00. Parcel post, express or freight charges extra.

COLORADO and WEST—Pkgs. 30c, 60c, \$1.20; pails, 12 lbs. \$2.50; 25 lbs. \$4.25; bags, 50 lbs. \$6.25; 100 lbs. \$11.50. Parcel post, express or freight charges extra.

Conkey's LICE POWDER

(Contains Sodium Fluoride)

For dusting hens, nests, growing chicks—wherever body lice must be overcome.

EASTERN PRICES—Pkgs. 20c, 35c, 75c; pails 12 lbs. \$2.60; 25 lbs. \$5.00. Parcel post, express or freight extra.

COLORADO and WEST—Pkgs. 25c, 45c, 90c; pails 12 lbs. \$3.00; 25 lbs. \$5.75. Parcel post, express or freight extra.



Conkey's Mite Liquid

For painting roosts, fittings, inside of house, nest boxes and wherever mites congregate.

PRICES—Cans, qt. 60c; 2 qt. 90c; gal. \$1.50; 5 gal. \$7.00. Parcel post, express or freight extra. These prices prevail in both Eastern and "Colorado and West" territory.

Conkey's Head Lice Ointment

For overcoming and preventing the murderous head louse which "eats up" baby chicks.

EASTERN PRICES—Pkgs. 10c, 25c; or 15c, 30c postpaid.

COLORADO and WEST—Pkgs. 15c, 30c; or 20c, 35c postpaid.

Conkey's Lice Fix

A preparation in ointment form for fighting body lice. One application lasts a month.

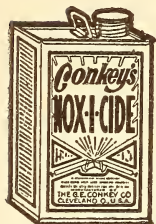
EASTERN PRICES—Pkgs. 25c, 50c; or 30c, 55c postpaid.

COLORADO and WEST—Pkgs. 30c, 60c; or 35c, 65c postpaid.

When ordering any remedy by mail always send *postpaid* prices.

Conkey's NOX-I-CIDE

Dip and Disinfectant



Every poultry yard, farm, home, factory, stable, store, office building—in fact, every place where sanitation is necessary to health—needs Conkey's Nox-i-cide every day in the year.

For poultrymen, Conkey's Nox-i-cide has a large variety of use as a disinfectant and germicide. It is approved by poultry experts everywhere.

For spraying during the "weekly clean-up," as a preventive of disease and a help in keeping down red mites, ticks, blue bugs, etc., Conkey's Nox-i-cide is practically unexcelled. In fact, some poultrymen declare it to be indispensable, since proper sanitary conditions are the very foundation of successful poultry operations. In addition, Conkey's Nox-i-cide is very effective for washing incubators, brooders, fountains and other utensils.

Conkey's Nox-i-cide is also widely used and highly recommended as a dip for hogs, sheep, cattle and other animals. Swine owners are generous in their praise of Conkey's Nox-i-cide for fighting hog lice, both as a dip and as a disinfectant for wallows, houses and general uses.

Try Conkey's Nox-i-cide for household uses—for assisting in driving out ants, destroying odors, routing out bedbugs and cockroaches, for making sinks, cess-pools, garbage containers, etc., sanitary and safe.

A money-back guarantee covers Conkey's Nox-i-cide as well as all other Conkey products. Take a can home and if you are not satisfied we will refund your money.

EASTERN PRICES—Pint 50c; Quart 80c; ½ Gallon \$1.30; Gallon \$2.00; 5 Gallons \$9.25; 10 Gallons \$17.75. Parcel post, express or freight charges extra.

COLORADO and WEST—Pint 60c; Quart 90c; ½ Gallon \$1.50; Gallon \$2.25; 5 Gallons \$10.50; 10 Gallons \$19.00. Parcel post, express or freight charges extra.

Conkey's

Sorehead Remedy

For dangerous, contagious sorehead or chicken pox, pigeon pox, warts and pian. Attacks the trouble from two angles—a powder for the blood and a salve for the sores.

EASTERN PRICES—Pkgs. 25c, 50c; or 30c, 55c postpaid; breeder size (1 lb. salve, 5 lbs. powder), \$3.50; \$3.65 postpaid; 10 lbs. powder only, \$3.50; \$3.65 postpaid.

COLORADO and WEST—Pkgs. 30c, 60c; or 35c, 65c postpaid; breeder sizes, \$3.50 \$3.65 postpaid.



Conkey's

Blackhead Remedy

Turkey breeders should have a package on hand as Blackhead is deadly in advanced stages. Should be given regularly to growing poults.

EASTERN PRICES—Pkg. 50c; or 55c postpaid.

COLORADO and WEST—Pkg. 60c; or 65c postpaid.

Conkey's

Poultry Worm Remedy

This prescription rids birds of many troublesome worms, thus promoting a return to healthy conditions. Give it as soon as you suspect worms—it will help the whole flock.

EASTERN PRICES—Pkgs. 25c, 50c; or 30c, 55c postpaid; breeder size (5 lbs.), \$2.75; or \$2.85 postpaid.

COLORADO and WEST—Pkgs. 30c, 60c; or 35c, 65c postpaid; breeder size, \$2.75; or \$2.85 postpaid.



Conkey's Poultry Laxative

Wherever a laxative or purgative is needed this remedy is just the thing for birds—by varying the dosage you can produce either a mild or a strong effect.

Experts say, and we have found through experiments, that a poultry laxative given every week or two not only keeps birds in better condition but also increases the egg yield very materially.

EASTERN PRICES—Pkgs. 25c, 50c; or 30c, 55c postpaid; breeder size (5 lbs.), \$2.75 or \$2.90 postpaid.

COLORADO and WEST—Pkgs. 30c, 60c; or 35c, 65c postpaid; breeder size, \$2.75 or \$2.90 postpaid.

Conkey's White Diarrhea Remedy

Once you have used this old reliable preparation, you will never be without it. As a preventive of bowel troubles, White Diarrhea and other digestive complaints, it has given great satisfaction for many years.

Should be used in the drinking water until all danger is past.

This remedy is also recommended as a preventive measure and in treatment of coccidiosis, a diarrhetic condition which attacks chicks similarly to White Diarrhea, but which differs from White Diarrhea in that a principal symptom is bloody droppings rather than white.

EASTERN PRICES—Pkgs. 25c, 50c, \$1.00; all postpaid; breeder size (1200 Tablets) \$3.75; \$3.85 postpaid.

COLORADO and WEST—Pkgs. 30c, 60c, \$1.20; all postpaid; breeder size (1200 Tablets) \$4.00; \$4.10 postpaid.





4

reasons WHY you should use Conkey's Y-O

Yeast with Cod Liver Oil in Powdered Form

Y-O Improves egg production.

It increases size of eggs, strength of shell and number laid. Poultrymen have long been baffled by shrinkage of size of eggs and decrease in the quality of shells as production increases. Even though the ration contains all the raw material the digestive organs of the hen cannot make soluble a sufficient quantity rapidly enough to meet the increasing rapidity of the lay. After the reserve energy becomes exhausted, the eggs become smaller, shells thinner and vitality reduced to the breaking point.

Y-O helps to solve this problem. The vitamins A, B and D which Y-O contains, help the digestive organs in making these minerals more soluble. More feed is assimilated, more elements become available and this causes the hen or pullet to continue to lay large eggs, strong shells and keeps her reserve energy up to par; resulting in longer cycles and more constant rhythm of egg production.

Y-O Increases fertility.

Y-O might truthfully be called a son of the Sun. Mysterious life giving forces—vitamins A, B and D—imported from the Sun's radiant energy, are found stored most abundantly in the cells of the yeast plant and the liver of the cod, where we can draw upon them when Old Sol is either absent or indifferent to our needs.

By simply adding 1½ to 2 lbs. of Y-O powder to 100 lbs. of mash feed you can insure maximum fertility from breeding pens.

Think of this wonderful discovery! Nature's own way of helping us insure fertility, even in the dead of winter, in our highly productive breeding pens.

When cod liver oil is exposed to the air its vitamin potency rapidly oxidizes and disappears which with handling a sticky, nasty mess is the great objection to home mixing. But the Conkey patented method of sealing the cod liver oil with the yeast, retards oxidation over a long period of time and keeps Y-O potent, ready for use.

Y-O Stops low hatches.

After the eggs are in the incubator, then what? Will they be fertile and will the fertile eggs hatch, or will large numbers of germs die in the shell?

Feeding yeast with cod liver oil in order to furnish better eggs for hatching is rapidly becoming the practice of all big hatcheries. Y-O is simply the concentrated dry powder form of yeast with cod liver oil, much easier to use and surer in results because it keeps potent.

This is due to the patent process in Conkey's Y-O, whereby the oil is sealed on the yeast and kept from oxidizing.

Don't take any chances on low hatches! Protect yourself by mixing 1½ to 2 lbs. of Y-O in every 100 lbs. mash fed to breeding birds. Require that your egg producers use either fresh mixed yeast with cod liver oil or this improved form—Conkey's Y-O. Y-O will raise the hatch and give the chicks extra energy resulting in greater percentage of livable chicks.

Y-O Prevents leg weakness.

One of the greatest values of Conkey's Y-O is the help it gives in raising baby chicks. Y-O is a protective food, containing the anti-rickets vitamins which are absolutely necessary to prevent leg weakness and slow bone growth.

In the spring the Sun often does not shine long enough, to give to the chicks sufficient body building properties to prevent leg weakness and enable them to thrive their best. You must, therefore, help Nature.

Conkey's Y-O (yeast with cod liver oil) carries these mysterious life forces, known as vitamins A, B and D, in abundance. Unlike yeast and cod liver oil, which rapidly deteriorate, Conkey's Y-O—through the patented sealing process—carries the vitamin potency for a long time and absolutely guarantees an abundance of vitamins. From ½ to 1 lb. of Y-O to 100 lbs. of mash will suffice to guard your chicks from leg weakness and insure big, strong-boned specimens. Don't take any chances. Get a supply of Y-O and feed it all the time. For the small cost of ¼c per chick over a period of 6 to 8 weeks you safeguard your flock.

ORDER BY MAIL at these LOW PRICES

Y-O DELIVERED PRICES—PARCEL POST ZONES

Effective October 1st, 1927

Below prices are for Eastern states only. Colorado and Western prices of Y-O are as follows: Pkgs. 1 lb. 75c, 2 lbs. \$1.35, 5 lbs. \$2.75; drums 25 lbs. \$12.50, 50 lbs. \$22.50, 100 lbs. \$36.00.

Size Package	Local	1st Zone	2nd Zone	3rd Zone	4th Zone	5th Zone	6th Zone	7th Zone	8th Zone
1 lb. Package Price, 65c.....	\$.73	\$.73	\$.73	\$.75	\$.78	\$.81	\$.84	\$.88	\$.91
2 lb. Package Price, \$1.15.....	1.23	1.24	1.24	1.27	1.31	1.36	1.41	1.47	1.52
5 lb. Package Price, \$2.50.....	2.60	2.62	2.62	2.68	2.79	2.90	3.01	3.13	3.24
25 lb. Drum Price, \$11.25.....	11.47	11.61	11.61	11.91	12.50	13.09	13.68	14.28	14.87
* 50 lb. Drum Price, \$20.00.....	20.35	20.62	20.62	21.18	Via Freight or Express collect for 4th to 8th Zones, inclusive.				
* 100 lb. Drum Price, \$32.50.....	Via Freight or Express collect for all Zones.								

*The 50 and 100 lb. Drums cannot be shipped Parcel Post in Zones left blank above on account of weight. They will be sent f. o. b. Cleveland, carrying charges to be paid at destination by purchaser.

Corn Salad

Culture. Sow during August and September in drills $\frac{1}{4}$ inch deep and 6 inches apart. If the weather is dry when the seed is sown, firm soil to insure germination. Keep weeds down. Just before winter cover thinly with leaves or straw.

Large Round-Leaved. Matures in four or five weeks. Sow two ounces to 100 feet of drill. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c.

Cress

Curled or Peppergrass. This small salad is much used with lettuce, to the flavor of which its warm, pungent taste makes a most agreeable addition. Sow very thickly in shallow drills; cover on a smooth surface at short intervals throughout the season. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

Water Cress

Quite distinct from Garden Cress, and thrives only when its roots and stems are submerged in water. It is one of the most delicious of small salads and should be planted whenever a suitable place can be found. Pkt., 5c; oz., 45c.

Chives

Chives are perfectly hardy perennial plants of the onion type. They are grown for their small leaves, which are produced very early in the spring, for giving a mild onion flavor to various dishes. The tops appear early in the spring and can be snored off close to the ground as needed. They can be grown also in pots in a sunny window during the winter. Pkt., 10c; roots, 20c bunch, 3 for 55c, postpaid.

Eggplant

One ounce will produce 2,000 plants. A strong, uniform heat is required to germinate the seeds, and a thoroughly pulverized, well enriched, warm soil is necessary to perfect the fruit. Transplant to 3 feet apart each way, and when about a foot high support the plants by drawing the earth up around them.

New York Improved Purple. Fruit large, fine and free from thorns, and produces until frost; skin rich purple. Pkt., 10c; $\frac{1}{4}$ oz., 20c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

Kale or Borecole

One ounce will produce 2,000 plants; 4 lbs. to the acre.

Culture. Sow from the middle of April in hotbeds; transplant in June and treat the same as Cabbage. Of all the cabbage tribe, this is the most tender and delicate, and much more would be grown if its excellent qualities were generally known. Drill in rows of $2\frac{1}{2}$ feet and thin to 6 to 10 inches. The varieties are extremely hardy.

Dwarfed Curled Greens. Extensively grown as winter greens. Sow in autumn in rows 1 foot apart and treat as Spinach. Plants very hardy, 4 to 6 inches high. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Tall Curled Scotch. Grows about 18 inches in height and spreads, sometimes reaching 3 feet in diameter. Desirable for winter use. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Garlic Sets

Garlic sets or bulbs are planted from September to March in rows 12 inches apart, placing the sets 4 inches apart in the rows, 2 inches deep. Lb., 50c.

Cauliflower

One ounce will produce 3,000 plants. The cultural directions given for Cabbage will apply for this crop, but the soil should be more heavily manured. Keep the ground well hoed, and bring the earth gradually up to the stems. Water freely in dry weather, and especially when they begin to head. Never allow the plants to become crowded in the seed-bed; transplant them with great care, as any check will injure, if not entirely prevent the formation of the head. For late Cauliflower set the plants in a cool, moist place in the garden. When the heads have formed, the long leaves should be drawn over and tied above them, to keep off the sun and rain. Some gardeners break the leaves over the heads, but this method is not entirely effective.



Henderson's Early Snowball.

Henderson's Early Snowball. One of the best types of Cauliflower on the market. Its compact habit of growth renders it a very profitable variety to force under glass, and it does well for late planting, as well as for early crops. It is a sure header. Pkt., 15c; $\frac{1}{4}$ oz., 75c; oz., \$2.25; 2 ozs., \$4.00.

Endive

One ounce will sow 150 feet of drill. Sow in any ordinary dry soil in drills 1 foot apart, covering lightly. When the plants are about 2 inches high, thin to about 12 inches in the row. When the plants have attained full size, gather up the leaves and tie together at the tips. The inner leaves, in the course of three or four weeks, will become beautifully blanched.

Green Curled. Finely curled, dark green leaves; excellent plant. Not only most useful as a salad, but much used for garnishing. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

Broad Leaved Batavian. (Escarolle.) Leaves are broad and nearly plain; chiefly used in stews and soups. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

CUCUMBERS

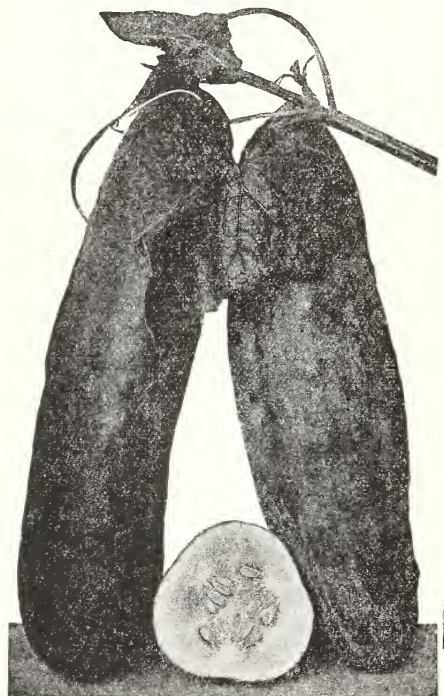
CULTURE. One ounce will plant 100 hills; 2 pounds will plant one acre. They succeed best in a warm, rich, moist loamy soil. Plant in hills 4 feet apart each way. Leave four of the strongest plants to each hill, but do not thin out until the plants are strong enough to resist the attacks of insects. The English forcing varieties can be grown in hotbeds where the temperature does not fall below 65 degrees at night. Many of this class grow from 20 to 30 inches in length.

Improved Long Green. Good for pickling when small and unexcelled as slicing Cucumber when matured. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

Boston Pickling. Best pickling variety. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

Early Cluster. Medium to small; produced in clusters. Tender and well flavored. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

Japanese Climbing. Grown on trellis. Makes excellent cover for fence or porch while producing edible variety of fruit. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.



Improved Long Green.

White Spine. Early, prolific and continuous bearer. One of the most popular varieties. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

Early Frame. Fruit straight and smooth. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

Davis Perfect. Excellent for forcing under glass; also for outdoor culture. Medium in size. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

Kohl-Rabi

A plant forming a firm bulb above the ground and bearing short leaves. The bulb is the edible part, and when cooked tastes very much like turnip. If the seed is sown early, the young bulbs will be ready for use in spring, and a planting in July will secure good vegetables for fall use. The seed should be planted in the open garden in 18-inch rows and the young plants thinned to four or six inches. It does not transplant well, unless when very small.

Early White Vienna. The most desirable variety for general use. It is very early and has small tops. Color, light silvery green. Pkt., 5c; oz., 20c; ¼ lb., 75c.

Early Purple Vienna. Has a bright purple bulb. The leaf and stems are green and tinged with purple. Pkt., 5c; oz., 20c; lb., 75c.

Leek

One ounce will plant 200 feet of drill;
4 lbs. to the acre.

Culture. Leek is very hardy and very easily cultivated. Sow early in spring in rich soil ¼ inch deep, in drills 1 foot apart. When 6 inches high, transplant in rows 10 inches apart each way; as deep as possible, so that the neck, being covered, may be blanched.

Large London Flag. The oldest and best known and most largely grown variety. Pkt., 5c; oz., 20c; ¼ lb., 60c.

Horseradish Roots

No home garden is complete without them. 35c doz., postpaid.

Do not overlook that part of our catalog devoted to **POULTRY FEEDS** and **SUPPLIES**. We challenge any Western house to show as complete a line of really **SUCCESSFUL** Feeds and Appliances as we sell.

LETTUCE

CULTURE. Sow in hotbed or boxes in February or March and in open ground as soon as it can be worked; transplant to rows 8 inches apart both ways. Extra rich, mellow soil, high cultivation and moisture are demanded by lettuce to secure best results. Lettuce is hardy and makes better growth when mercury is below 60 degrees; when above 75 degrees the plant is soon drawn out of shape. A succession of plantings at intervals of two weeks after first outdoor planting is desirable. In August any of the varieties can be sown either outdoors or in frames. In October, Grand Rapids and Denver Market may be planted in frame to head in winter. Always sow seed thin and then thin out plants to stand from 6 to 8 inches apart in row. Lettuce requires good soil, carefully enriched with well rotted manure and well pulverized to secure the best results. For hotbed and very early sowing, we especially recommend Big Boston, Grand Rapids, Early Curled Simpson and Black Seeded Simpson.

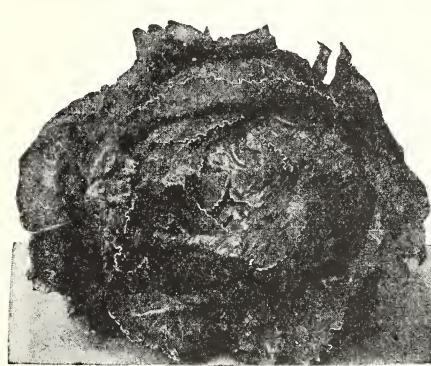
Loose or Cutting Varieties

Black Seeded Simpson. One of the best leaf varieties. Leaves are fluffy but not crinkled. Tender and sweet. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c.

Simpson's Early Curled. Crisp and tender. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c.

Grand Rapids. Popular because of large bunches. Leaves are rather smooth with frilled edges. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c.

Denver Market. Semi-head. Wrinkled leaves. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c.



California Cream Butter.

Heading Varieties

California Cream Butter. Large, rich, creamy heads. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c.

May King. Extra large, solid heads, green outside but cream colored within. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c.

Paris White Cos. Distinct from other varieties. Leaves long and straight but when tied up heads nicely. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c.

Prize Head. Not really a heading variety though usually so catalogued. Leaves

are red edged. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c.

Hanson's Improved. Favorite with market gardeners. Heads easily if not grown too close together. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c.

Iceberg. Leaves have a tendency to turn in, hence sure to head. Tender and crisp. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c.

Mustard

When young the leaves are used for salad, which although slightly pungent, is very appetizing. Mustard may also be cooked like Spinach and will make a very wholesome and delicious food. Sow early in the spring in shallow drills. One ounce will sow 5 feet of drill.

Mammoth Southern Curled. The large curled leaf variety, popular in the South, where the seed is sown in the fall for spring use. Pkt., 5c; oz., 15c; ¼ lb., 25c; ½ lb., 75c.

Brown or Black. More pungent in flavor than the white. Seed black. Pkt., 5c; oz., 15c; ¼ lb., 30c; ½ lb., 75c.

Okra

Culture. Sow late in the spring, after the ground has become warm, in drills 3 feet apart, where the plants are to remain. Thin out to from 9 to 12 inches. Soil should be well manured. Plants may also be raised in pots or hotbed, and transplanted.

White Velvet. Of tall growth, pods never prickly to touch, being always round and smooth. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 50c.

Early Dwarf Prolific. Grows low, but stocky and is very productive. Pkt., 5c; oz., 15c; ¼ lb., 25c; ½ lb., 60c.

Learn to know your seed man as you would your grocer or your implement dealer. If he serves you satisfactorily stay with him; if he is unreliable and tricky, quit him cold for he does not merit your patronage.

MUSKMELONS

One ounce to 60 hills; 3 pounds to acre.

CULTURE. A rich, deep sandy soil well worked and highly manured is of the utmost importance. Plant when all danger of frost is over, in hills 5 to 6 feet apart each way; scatter a dozen seeds to a hill and afterwards thin out to 3 or 4 plants. Cantaloupes and cucumbers are often destroyed by lice and should be well sprinkled with slug shot when the plants appear. When they have 4 leaves, pinch off the end of the main shoots, which will cause lateral branches to put forth sooner and strengthen the growth of the vines.

Burrell's Gem. An orange fleshed Rocky Ford. Fine grained and spicy. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c.

Rocky Ford. Oval shaped of netted type. Green flesh of fine flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c.

Emerald Gem. One of the earliest. Green skin and salmon flesh. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

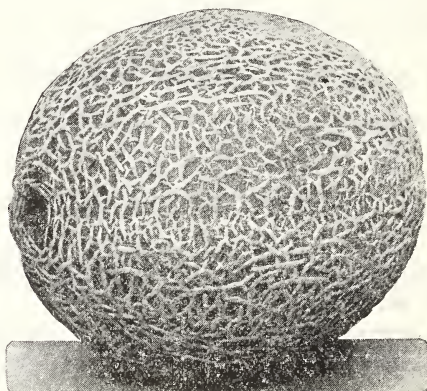
Hackensack. Ribbed variety, large and round. Good market variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 80c.

Netted Nutmeg. Medium size, early, green flesh. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c.

Osage, or Miller's Cream. Pink fleshed, spicy flavor. Very heavy producers. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c.

Casaba, or Large Persian. Long, oval shaped. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

Honey Dew Melon. Comparatively new type of melon. Flesh is deep green, unusually sweet and will keep 3 to 5 months after ripe. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.



Burrell's Gem.

WATERMELONS

Selected Strains of the Choicest and Best Varieties

One ounce to 60 hills; 4 or 5 pounds to the acre.

Culture. The culture of the Watermelon is very similar in all respects to that of the muskmelons, being hardier and of more vigorous habit. However, it may be planted in May, before settled warm weather appears, in hills not less than eight feet apart, and thinned to two vines per hill.

Kolb's Gem. The best shipping melon. Rind thin but tough. Striped, slightly oval and of good size. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Rocky Ford. Oblong, green rind, superb flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Tom Watson. A large melon, oblong and green with thick netting on entire surface. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Kleckley's Sweet. Early, medium sized and very sweet. Skin dark green, flesh bright red. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Mountain Sweet. Long green type. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Georgia Rattlesnake. Sometimes called "Gypsy." Very large and good shipper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Kansas Stock, or Colorado Preserving. A boon to dry farmers. Often weighs 60 to 70 lbs. Will keep all winter and can be fed to stock all winter. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Pepper

One ounce will produce 1,500 plants.

Ruby Giant, flesh mild and very thick. Pkt., 10c; $\frac{1}{4}$ oz., 15c; oz., 45c.

Chinese Giant, very large with thick mild flesh. Pkt., 10c; $\frac{1}{4}$ oz., 15c; oz., 45c.

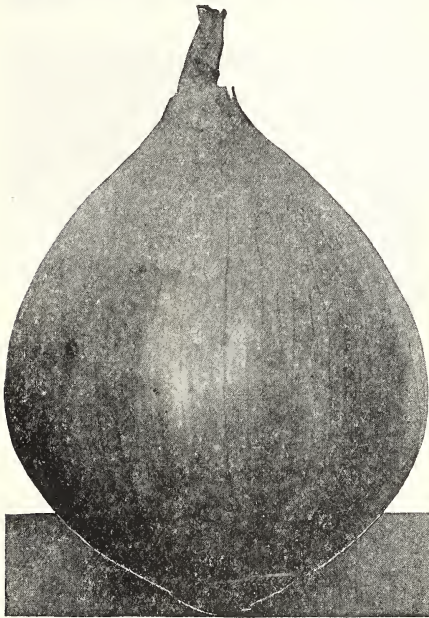
Ruby King, extra large and mild. Pkt., 5c, $\frac{1}{4}$ oz. 15c, oz. 45c.

Long Red Cayenne, commercial variety, long, bright red, very hot. Pkt. 10c, $\frac{1}{4}$ oz. 15c, oz. 45c

ONIONS

One ounce of Onion Seed for 200 feet of drill; 4 to 5 pounds for an acre.

Culture. Onions must have a clean and very rich soil. A good loam, previously cultivated for two years, is the best. The land should be highly fertilized with well-rotted manure and fertilizers. Fresh stable manure has a tendency to produce soft, unsalable onions. Sow in drills 1 foot apart as soon as the ground can be worked in the spring. Thin plants to three or four inches apart, using rake and hoe frequently to keep down the weeds. The finest onions are produced by sowing seed in hot beds in February and March and transplanting seedlings to the open ground in rows where they are to mature. Onions require a very high culture, and weeds soon choke them out if permitted to grow. Bottom sets are little onions, grown the previous year; when set out in the spring they soon form large onions. If you wish to grow onion sets, use 70 to 80 pounds of seed to the acre, drilled in very thick.



Yellow Globe Danvers.

Yellow Globe Danvers. Brownish-yellow skin with mild flavor. A very excellent variety. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Yellow Danvers. Reliable flattened variety. Mild and same color as above. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$1.95.

Prizetaker. Heavy yielder on account of immense size. Skin pale straw color, flesh white and mild. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Large Red Weathersfield. Best red va-

riety. By far the finest strain of red Onions. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$3.00.

Southport Red Globe. Matures slightly ahead of Weathersfield. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Silver Skin, or White Portugal. Medium sized, rather flat. Our strain is particularly excellent. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 70c; lb., \$2.10.

White Barletta Pickling. Best pickling onion. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 70c; lb., \$2.00.

Yellow, White or Red Bottom Sets. Write for prices.

Pumpkins

One ounce will plant 15 hills; 2 quarts to acre.

Culture. Sow in May, when the ground is warm, in hills 8x8. Can also be grown with corn, every fourth hill of every fourth row. The common practice is to drop two or three seeds in every third or fourth hill in the cornfield. If cultivated in 8x8 hills use four plants to each hill.

Connecticut Field. Best variety for Colorado. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 80c.

Kentucky Field. Large variety similar to above. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 80c.

Mammoth Tours. French variety of great size. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c.

Small Sugar. Finer grained and best for table use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c.

Parsnips

One ounce for 200 feet of drill; 5 to 6 pounds for an acre.

Culture. Sow as early in the spring as the ground can be worked, in drills 18 inches apart. Only rich soil should be used and the ground should be thoroughly and deeply cultivated before sowing seed. Thin to 6 or 8 inches apart in the rows. Hoe and cultivate frequently to keep the weeds down.

Improved Hollow Crown. The best variety for market or home garden. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Improved Guernsey. Roots not so long as Hollow Crown, but of greater diameter and more easily gathered. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

Parsley

One ounce of seed for 150 feet of drill.

Culture. Soak the seed in warm water for several hours, and sow in border or frame; thin the row or transplant to another bed. If to be carried late into the fall, set eight inches apart both ways, and cover with litter. It will go through the winter with moderate protection. Make open ground sowing in April.

Moss Curled. A choice selected strain with beautifully crimped and curled bright-green leaves. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

PEAS

One pound will plant 100 feet of drill;
60 pounds to acre.

Culture. Peas are among the first seeds that are planted in spring and need rich, well-manured soil. Sow in drills 3 feet apart and repeat until the first of July, with the exception of our Extra Early, which can be sown as late as August, on account of its early ripening and mildew resistance. The number of Peas may vary from 10 to the foot for the dwarf varieties to 8 to the foot of the medium tall and 6 to the foot of the very tall kinds.

American Wonder. 1 ft. Matures in 50 days. Bears its crop quickly and is out of the way for other crops on same ground. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 40c.

Dwarf Telephone. 2 $\frac{1}{2}$ ft. Pods larger than Am. Wonder. Well flavored and productive. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 50c.

Telephone (Pole). 3 $\frac{1}{4}$ ft. Best of the pole varieties. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 50c.

Yorkshire Hero. 2 $\frac{1}{4}$ ft. Hardy kind of good flavor. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 50c.

Champion of England. 3 ft. Considered standard for summer use. Everbearing in nature. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 50c.

Gray Sugar. (Edible pods.) Growing in popularity. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 50c.

Blue Bantam. Early and dwarf. Very sweet. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 50c.

Potatoes

Figure 1 pound to 7 hills. Space rows 3 ft. apart. 500 lbs. to the acre. Plant as soon as danger of killing frost is over. Be sure ground is well worked up to a good depth and fertilize with bone meal. Be sure to cut so as to leave one or two good eyes to each piece. **DO NOT PLANT TOO DEEP IF SOIL IS HEAVY.** 5 inches is plenty.

Varieties. We recommend Early Ohio, Burbank or Peach Blow for light sandy soil and IRISH COBBLER for heavy or clay soil. This latter variety has repeatedly proved itself the only consistent producer in heavy soil. Write for prices.

Rhubarb or Pie Plant

Linneus Giant. For market gardeners the best. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

Strawberry. By far the sweetest though small in size. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

Rhubarb Roots. 2 for 25c. \$1.25 doz. Postpaid.

Gradus, or Prosperity. 3 ft. Early as any standard sort and one of the best early kinds. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 50c.

Premium Gem. Peas small and sweet, pods well filled. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 40c.

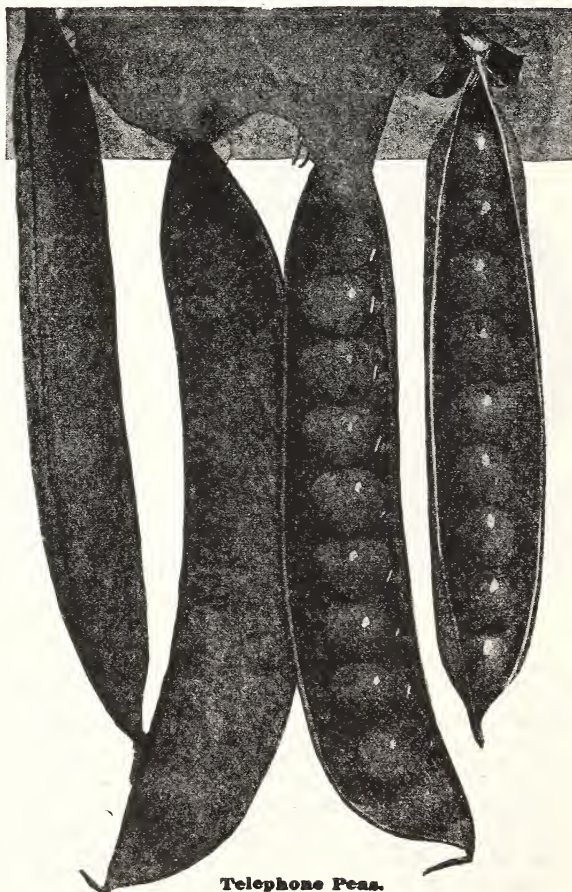
Alaska. 2 $\frac{1}{2}$ ft. Earliest of all though not so sweet. Truckers plant Feb. 22nd if ground can be worked. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 40c.

First and Best. 2 $\frac{1}{2}$ ft. Good canning variety. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 50c.

Bliss Everbearing. 3 ft. One of the most prolific. Peas very large and wrinkled. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 50c.

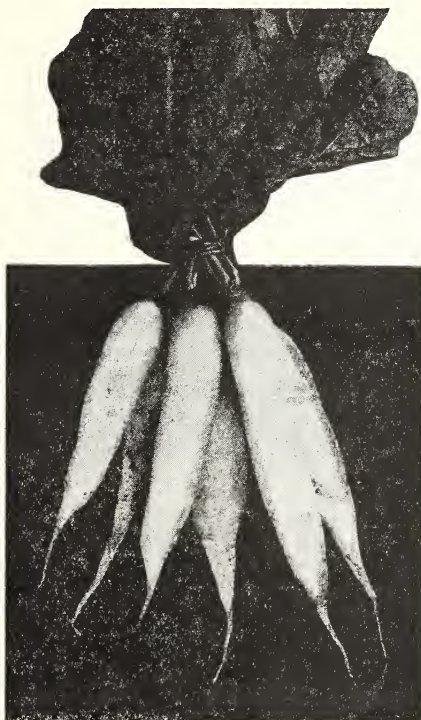
Thoms Laxton. 3 ft. Almost as early as the earliest. Very heavy cropper and a general favorite. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 50c.

Stratagem (Improved). Middle crop sort. Good sized pods born in abundance. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 40c.



Telephone Peas.

RADISH



Icicle.

One ounce to 50 feet of drill; 8 pounds to acre.

Culture. The soil for radishes should be very rich, light and mellow, well broken by digging, as their tender and mild qualities depend much upon their rapid growth. For very early use, sow in gentle hotbeds in February, and in open air as soon as the ground can be worked, at intervals of ten or twelve days, for a succession as long as they may be wanted. The winter varieties should be sown in August, lifted before severe frost, and stored in the cellar.

Sow in drills 1 foot apart and cover lightly; thin out while small to 3 inches apart. Hoe often.

Early Scarlet Globe. One of the best both for forcing as well as open culture. Early, crisp and tender. Pkt., 5c; oz., 10c; ¼ lb., 25c.

French Breakfast. Pink with white tip. Olive shaped. One of the earliest and best. Pkt., 5c; oz., 10c; ¼ lb., 25c.

Rosy Gem. Round red with white tip. Very early. Pkt., 5c; oz., 10c; ¼ lb., 25c.

Sparkler. Similar to above except that it gets larger. Pkt., 5c; oz., 10c; ¼ lb., 25c.

Icicle. The king of all long radishes. Always tender, crisp and mild. Pkt., 5c; oz., 10c; ¼ lb., 25c.

White Strasburg. Longer and larger than Icicle. Pkt., 5c; oz., 10c; ¼ lb., 25c.

Simpson's Glass. Long light pink type with transparent white flesh. Pkt., 5c; oz., 10c; ¼ lb., 25c.

Long Brightest Scarlet. The handsomest radish grown. Scarlet above and white below. Pkt., 5c; oz., 10c; ¼ lb., 25c.

China Rose Winter. Flesh firm and white; will keep all winter. Pkt., 5c; oz., 10c; ¼ lb., 25c.

Long Black Spanish Winter. Black skinned with white flesh. Gets to enormous size. Pkt., 5c; oz., 10c; ¼ lb., 25c.

Round Black Spanish. Globe shaped roots with black skin. Pkt., 5c; oz., 10c; ¼ lb., 25c.

Spinach

German—Spinat.

One ounce will sow 50 feet of drill; 12 to 16 pounds to acre.

Culture. This is a very important crop in our market gardens, and is one of the most easily managed of all vegetables, requiring but little culture, and may be had fit for use the entire season. The main crop is sown in September. It is sometimes covered up in exposed places with straw or salt hay during winter, which prevents it from being cut by frost; but in sheltered fields there is no necessity for covering. For summer use it may be sown at intervals of two or three weeks from April to August. Spinach is best developed and most tender and succulent when grown in rich soil.

Long Standing. The best for spring sowing. Stands a long time before shooting to seed. Large thick leaves, excellent for greens. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

New Zealand. Makes a luxuriant growth all summer. In appearance entirely distinct from other spinach. Its quality is very desirable and tender. Soak the seed in warm water before planting. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

Round Summer. This variety is generally preferred for early growing and is popular with market gardeners. Leaves thick and fleshy. Not quite as hardy as the prickly, but stands winter well. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.

Monstrous Leaved Viroflay. Quick, strong growth; much used by New York truckers. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

Salsify or Oyster Plant

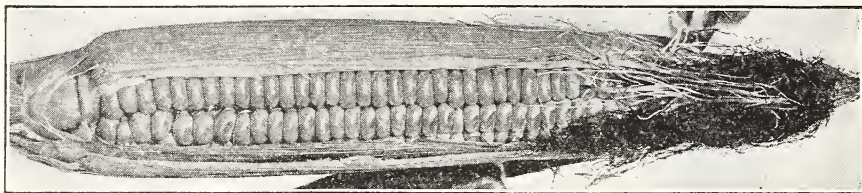
Culture. The oyster plant succeeds best in some light, well-enriched soil which previous to sowing the seeds should be stirred to the depth of 18 inches. Sow early in the spring in drills 15 inches apart; cover the seeds with fine soil 1 inch deep. One ounce for 60 feet of drill; 7 pounds to one acre.

Mammoth Sandwich Island. This splendid variety grown to fully double the size of the old sort; is of superior quality and delicate flavor. The Oyster Plant is one of the most nutritious and delicious vegetables and should be more generally cultivated for winter use when the supply of really good vegetables is limited.

No market gardener should fail to grow it. It is a paying proposition. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

SWEET CORN

One pound will plant about 180 hills; 10 to 12 pounds to an acre, in hills.



Golden Bantam Sweet Corn

Culture. Sweet Corn should not be planted very early in the season; the soil must be warm and should be a rich loam. If planted too early the seed is apt to rot. Sweet Corn will not make any progress until the weather is warm. If possible select a sheltered location for the very early kinds. A succession can be continued with the later kinds by planting at regular intervals from June to middle of August, thus insuring a continuous supply of table corn throughout the summer and fall months. Plant the small early varieties in drills $2\frac{1}{2}$ feet apart and 10 inches apart in the rows. The taller varieties should be planted in drills 3 feet apart and 12 to 14 inches apart in the rows. Rich manure worked into the soil will increase the crop.

Write for Quantity Prices.

Golden Bantam. The First Early Sweet Corn. Rich and delicious flavor. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; lb., 25c.

Mayflower. One of the very earliest white Sweet Corns with regular sized cobs. Highly recommended. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; lb., 25c.

Country Gentleman. "Shoe Peg," grains not in rows on the cob. Very fine flavor. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; lb., 25c.

Early Evergreen. Has all the good qualities of Stowell's Evergreen and matures earlier. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; lb., 25c.

Howling Mob. Produces two splendid ears to the stalk. Early, sweet and of good size. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; lb., 25c.

Stowell's Evergreen. One of the very best late varieties. Planted with medium early variety will furnish succession of corn until frost. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; lb., 25c.

Extra Early Minnesota. Early and large. Stalks not very tall. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; lb., 25c.

Peep-O-Day. Early as Golden Bantam. Ears average about 6 inches in length. Sweet and juicy. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; lb., 25c.

Black Mexican. Highly favored in some sections. Ears size of G. Bantam, grains black when ripe and of a peculiarly delicious flavor. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; lb., 25c.

acre than any other pop corn. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; lb., 25c.

White Rice. Grains small and pointed. Some claim it to be more crisp than other kinds. Pkt., 5c; $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; lb., 25c.

SQUASH

One ounce will plant 30 hills; 3 to 4 pounds an acre.

Culture. The plants are very tender and sensitive to cold, and planting must be delayed until settled, warm weather. The general principles of culture are the same as those given for cucumbers and melons, but the plants are less particular as to soil. The summer varieties should be planted 4 feet apart each way and the winter sorts 8 feet. Three plants are sufficient for a hill. Care should be taken not to break the stems from the squashes intended for winter use, as the slightest injury will increase the liability to decay.

Summer

Early White Bush. This is the well known White Patty-pan Squash. The earliest to mature, very productive; light cream colored. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

Golden Summer Crook Neck. Very early and productive. Fruit about 1 foot long, with crooked neck and warty surface; color bright yellow. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

Giant Crook Neck. This strain is a great improvement on the old variety of Crook Neck. It is larger and better in every way. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

POPCORN

Giant Spanish. Favorite with many. Large ears and large grains, popping quickly and very crisp. Yields more to

SQUASH—Continued

Winter Varieties

Table Queen or Acorn. A deep green winter sort just the right size to halve and bake and serve as individual helping. Pkt., 5c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25.

Warty Hubbard. Best shipper and best keeper. Shell is hard and warted. Dark olive green. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 90c; lb., \$1.50.

Golden Hubbard. Somewhat smaller than above, a trifle earlier but not so



Golden Summer Crook Neck

good a keeper. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 90c; lb., \$1.50.

Boston Marrow. Orange color with distinct flavor. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 90c; lb., \$1.50.

TOMATOES

One ounce of seed will produce from 3,000 to 4,000 plants.

Culture. Sow seed in a box or hotbed early, and transplant at least once to get a strong root growth. When danger of frost is over set in open ground 3 to 5 feet apart each way and cultivate thoroughly. Fruit may be had several days earlier by transplanting into small pots



Livingston's Beauty.

and then setting out the entire contents as soon as ground is warm. The varieties of Tomatoes described in this seed book comprise the very best kinds known to the trade and none are included that do not possess some merit.

Livingston's Beauty. Large, round and even. Early as any standard variety in this locality. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.75.

Ponderosa. The largest smooth Tomato. Slices exceptionally well and is firm and meaty. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.50; $\frac{1}{2}$ lb., \$2.25.

Earlana. One of the earliest. Fruit is reasonably smooth and firm but not equal to Beauty. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.75.

Early June. Medium size, round and early. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.75.

John Baer. Very early and nearly as large as Beauty. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.90.

Dwarf Champion. Very sturdy grower. Potato leaf with medium sized purplish pink fruit. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; $\frac{1}{2}$ lb., \$2.00.

Yellow and Small-Fruited Varieties

Yellow Plum. Excellent for preserving. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.75.

Red Plum. Same as above except color. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.75.

Yellow Pear. For preserving only. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.75.

Husk or Ground Cherry. Very productive. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.75.

TURNIPS

One ounce will sow 150 feet of drill; 2 lbs. will sow an acre.

Culture. For early use, sow as soon as the ground can be worked in spring in drills 15 inches apart and thin to 8 inches apart as soon as the plants are large enough to handle. For succession, sow at intervals of a fortnight until the last week of July, from which time until the end of August sowings may be made for main and late crops. The sowings should be made just before rain if possible, a rapid growth being important.

Early White Egg. General favorite. Flesh is white, firm and mild without the pungent taste. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 50c; lb., 75c.

Purple Top Strap Leaf. Best flat type for fall planting. Excellent for stock or table. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 50c; lb., 75c.

Early White Flat Dutch. Good quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 50c; lb., 75c.

Purple Top Globe. Larger than White Egg. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 50c; lb., 75c.

Yellow Aberdeen. Especially good for feeding. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 50c; lb., 75c.

Rutabagas

Improved Purple Top. Perfect keeper, large, solid and sweet. An old time favorite never improved upon. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 50c; lb., 75c.

HERBS

A few Pot Herbs and Sweet Herbs should have a place in every vegetable garden. A very small space will give all the herbs needed by a family. Culture is very simple; the best way is to make seedbed in the early spring and set the plants out in beds.

All varieties in 5c, 10c and 25c packages.

Anise. Used for flavoring.

Caraway. Seeds used in seasoning.

Catnip. Leaves used for tea.

Coriander. Seeds used for seasoning.

Dill. Used for seasoning pickles.

Horehound. Very useful for curing coughs.

Lavender. Leaves very fragrant.

Rosemary. Leaves very fragrant.

Rue. A medical plant.

Saffron. Used for flavoring.

Sage. A highly aromatic herb; most useful of all.

Savory, Summer. Leaves and shoots used for seasoning.

Sorrel. Used in soups and salads.

Sweet Basil. Leaves used for flavoring.

Sweet Fennel. Seeds aromatic.

Thyme. Used as a seasoning.

Wormwood. Has medicinal qualities.

A splendid plant for poultry.

LAWN GRASSES

Kentucky Blue Grass

The old standard grass for pasture and lawns. Sow 25 to 30 pounds to the acre for meadow; for lawns, 100 to 140 pounds per acre. Write for prices.

English or Perennial Rye Grass

Considered invaluable for permanent pastures. It is also one of the best lawn grasses for the central part of the United States. Sow 60 pounds to the acre for pasture; 100 to 140 pounds to the acre for lawn. Write for prices.

White Clover. For lawn purposes is very desirable on account of its creeping stems. It spreads rapidly and acts as a binder. Very hardy. In permanent pastures it is of considerable value when used in a grass seed mixture. Write for prices.

Flower Seeds

WE PAY POSTAGE ON FLOWER SEEDS

Every seed order should include a generous list of FLOWER SEEDS, ROOTS and BULBS. Time spent in your Flower beds is well spent. If you have a natural love of Flowers, encourage it. If you have no such impulse, develop it. Flowers are God's message to us of Love and Good Cheer. They will erase the lines of care from your face and arrest the march of grey in your hair.

Ageratum. Light Blue, low and compact. Make excellent borders. Pkt. 5c.

Alyssum. Little Gem. White, low and compact. Early and fragrant. Pkt. 5c.

Alyssum. Tall. 10 to 12 inches, otherwise same as Little Gem. Pkt. 5c.

Amaranthus. Caudatus. Blood red drooping flowers. Pkt. 5c.

Amaranthus. Cereus. (Prince's Feather.) Red feathery flowers. Pkt. 5c.

Antirrhinum, or Snapdragon. Can be furnished in rose, red, yellow, white, orange and mixed. Large fragrant flowers of great beauty. Pkt. 5c.

Ampelopsis, Veitchii. (Boston Ivy.) Hardy perennial climber. Pkt. 5c.

Asters

This splendid fall favorite continues to gain in popular favor and is constantly being improved both as to type and size. The new varieties of PEONY FLOWERED ASTERS are as large as Chrysanthemums and of wonderful beauty. Every garden should have an assortment of ASTERS. They bloom from AUGUST to NOVEMBER.

Culture. The Aster is hardy and easily grown. Sow seed in the open ground in May for August and September blooms, or in March or April in cold frames for earlier bloom. The seeds should be covered about $\frac{1}{4}$ inch in good rich soil. When the plants are strong enough, transplant about 18 inches apart in deeply-dug, well prepared beds. Asters must not be planted in freshly manured soil nor in soil that has been planted to Asters for two or three years previous. Unslacked lime or fresh wood ashes are beneficial if stirred in the soil a little before planting and are said to counteract the ravages of the Aster blight. A few soakings with tobacco water around the roots during the growing season are also recommended.

ASTER PLANTS, in mixed or assorted colors, postpaid, at 50 cents per dozen.

Giant Peony-Flowered Asters. White, lavender, rose pink, shell pink, crimson, azure blue, purple and mixed. Pkt. 10c; $\frac{3}{4}$ oz., 35c.

ASTERS—(Continued)

Sample's Giant Branching. White, lavender, rose pink, shell pink, crimson, azure blue, purple and mixed. Pkt., 10c; ¼ oz., 35c; ½ oz., 60c.

Giant Branching Comet Asters. Same colors as above. Pkt., 10c; ¼ oz., 35c.

Baby's Breath. (See Gypsophila.)

Begonia. Dense bushes about 1 ft. high completely covered with flowers. Single mixed. Pkt., 15c.

Begonia. Double mixed. Pkt., 10c.

Balsam. (Lady's Slipper.) Mixed. Pkt., 5c.

Bachelor Button. Single and double mixed. Pkt., 5c.

Beans, Scarlet Runner. Climber. Pkt., 5c; ½ lb., 25c.

Burning Bush. Turns scarlet in autumn. Pkt., 5c.

Calliopsis. Shades of red and yellow. Pkt., 5c.

Calendula (Pot Marigold.) One of the most satisfactory for massed effects. Blooms abundantly. Pkt., 5c; ¼ oz., 10c.

Canna. (See also Summer Flowering Bulbs.) Mixed. Pkt., 5c.

California Poppy. (See Eschscholtzia.)

Canterbury Bells. Profusion of bell-shaped flowers. Pkt., 10c.

Canary Bird Vine. Rapid climber. Pkt., 10c.

Candytuft. One of the best for borders. Pkt., 5c; oz., 20c.

Carnations. (Centaurea Margurite.) Pkt., 5c; ¼ oz., 40c.

Centaurea Imperialis. (Sweet Sultan.) Pkt., 5c; ½ oz., 40c.

Centaurea. (Dusty Miller.) White leaved foliage. Pkt., 5c.

Castor Beans. Beautiful foliage plant 10 to 12 ft. high, leaves often 3 to 4 ft. across. Pkt., 5c; oz., 10c.

Chrysanthemums. Excellent for cut flowers. Pkt., 5c; ¼ oz., 15c.

Cobaea Scandens. Called "Foot a Day." Most rapid climber, having bell-shaped flowers of purplish lilac color. Pkt., 5c.

Coleus. A marvel of beauty for house or garden culture. Pkt., 15c.

Cockscomb. One of the most brilliant and showy summer flowers. Colors range from bright red to orange and yellow. Mixed. Pkt., 5c.

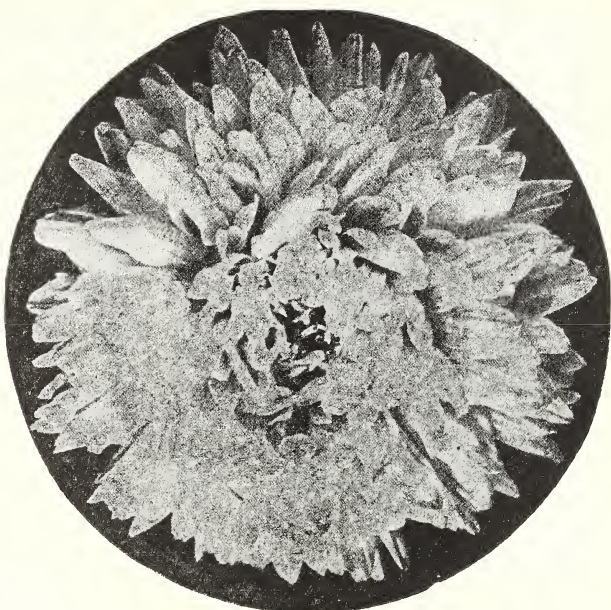
Columbine. State flower of Colorado. Rocky Mt. Pkt., 10c.

Columbine. (Aquilegia.) Mixed. Pkt., 10c.

Clarkia. Profuse and continuous bloomer. Pkt., 5c.

Cosmos. One of the most popular autumn flowering plants. The new giant early flowering kinds can be furnished in white, pink, yellow, crimson and mixed. Pkt., 5c; ¼ oz., 15c.

Cypress Vine. Scarlet and white star-



Aster.

shaped blossoms. Will climb on trellis 10 to 12 ft. Pkt., 5c.

Dahlia. (See also Summer Flowering Bulbs.) Single or double. Pkt., 5c.

Daisies. Double mixed. Pkt., 10c.

Everlastings or Strawflowers. Excellent for winter decorations. Mixed. Pkt., 5c.

Feverfew. Free flowering either indoors or out. Pkt., 5c.

Forgy-t-Me-Not. Good for shady spots. Pkt., 10c.

Foxglove. Hardy. Spikes 3 to 5 feet. Pkt., 10c.

Eschscholtzia. (California Poppy.) Very free flowering. Pkt., 5c; oz., 15c.

Four O'Clock. Handsome old fashioned flower. Pkt., 5c; oz., 15c.

Gaillardia. Profuse, continuous bloomer. Pkt., 5c.

Geraniums. Single and double mixed. Pkt., 10c.

Godetia. Very attractive. Pkt., 5c.

Globe Amaranth. Immortels or Everlasting. Pkt., 10c.

Gourds. Dipper, Dishcloth, Nest Egg, Calabash and Mixed. Pkt., 5c.

Gypsophila. (Baby's Breath.) Annual. Pkt., 10c.

Gypsophila. Perennial. Pkt., 10c. Roots, 25c each.

Hellotrope. Choice mixed. Fragrant. Pkt., 10c.

Hibiscus. Large flowers of great beauty. Pkt., 5c.

Hollyhock. Good for background. Double, red, white, pink, maroon, yellow, black or mixed. Pkt., 10c.

Hollyhock Roots. Separate colors or mixed. \$1.50 dozen. Postpaid.



Hyacinth Bean. Rapid growing climber. Pkt., 5c; oz., 35c.

Japanese Hop. (Japonica.) A very ornamental climber. Pkt., 5c.

Job's Tears. Broad corn-like leaves. Pkt., 5c.

Lantana. Verbena-like heads of orange, rose, white, etc. Pkt., 5c.

Larkspur. Annual. Mixed Pkt., 10c.

Larkspur. Perennial. Mixed Pkt., 10c.

Larkspur. Perennial roots. \$2.00 doz. Postpaid.

Linum. (Scarlet Flax.) Very brilliant bedding plant. Pkt., 5c.

Lobelia. Dwarf. Deepest blue. Pkt., 5c.

Lobelia. Trailing. Light blue. Pkt., 5c.

Marigold. French mixed. Pkt., 5c.

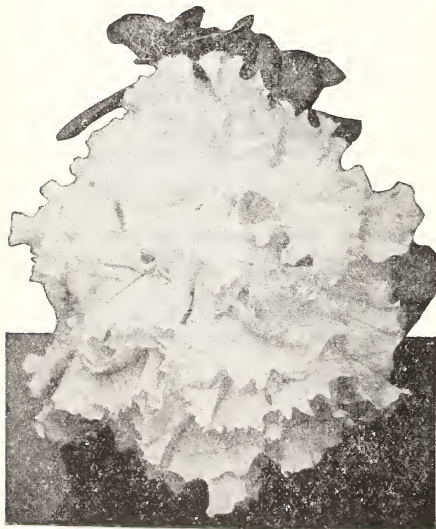
Marigold. African. Mixed. Pkt., 5c.

Mesembryanthemum. (Ice Plant.) Fine for hanging baskets. Trailing plants with small double red flowers and icy foliage. Pkt., 5c.

Mignonette. Fragrant. Pkt., 5c; oz., 40c.

Mimulus. (Musk Plant.) Pkt., 10c.

Moon Flower. One of the most beautiful climbers. Blooms from mid-afternoon to day break. White or blue. Pkt., 10c.



Petunia.

Nasturtium. Dwarf. Yellow, bronze, orange, maroon, pink and mixed. Pkt., 5c; oz., 20c; ¼ lb., 50c.

Nasturtium. Tall. Colors same as above. Pkt., 5c; oz., 20c; ¼ lb., 50c.

Nicotiana. Early and of great beauty. Pkt., 10c.

Nigella. (Love-in-a-mist.) Free flowering, white. Pkt., 10c.

Pansies. We carry only the Giant Trimardeau. Blossoms will often reach a diameter of 4 inches. Must have rich soil to produce large flowers. Our plants are grown in beds of half manure and half soil. White, black, yellow, blue, purple, bronze and mixed. Pkts., 10c; ½ oz., 50c.

Pansy Plants. Packed for express, 50c dozen. Not prepaid.



Pansies.

Petunia. Single mixed. Pkt., 10c.

Petunia. Giants of California. Pkt., 10c.

Petunia. Striped and blotched. Pkt., 10c.

Phlox. Drummondii mixed. Pkt., 5c.

Phlox. Star mixed. Pkt., 5c.

Phlox Roots. Perennial. \$2.00 dozen. Postpaid.

Pinks. Dianthus. Double mixed. Pkt. 5c.

Pinks. Chinensis. Double mixed. Pkt., 5c.

Poppies. Shirley mixed. Pkt., 5c.

Poppies. Single mixed. Pkt., 5c.

Poppies. Double mixed. Pkt., 5c.

Poppies. Oriental mixed. Pkt., 5c. Roots, \$2.00 dozen. Postpaid.

Portulaca. (Moss Rose.) One of the best bedders. Single mixed. Pkt., 10c.

Portulaca. Double mixed. Pkt., 10c.

Primrose. Plant in shade. Pkt., 10c.

Pyrethrum. (Golden Feather.) Pkt., 5c.

Salpiglossis. One of the most beautiful and most neglected of all flowers. Colors are velvety and gorgeous. Pkt., 5c.

Salvia. (Scarlet Sage.) Excellent for bedding. Pkt., 10c.

Schizanthus. (Poor Man's Orchid.) Mixed. Pkt., 10c.

Snapdragon. (See Antirrhinum.)

Stocks. Best mixed. Pkt., 10c.

Sunflower. Giant Russian. Raise some for your chickens. **Pkt., 5c; ¼-lb., 10c.**

Sunflower. Chrysanthemum flowered. Very double. Grows lower than the Giant and is thoroughly desirable. **Pkt., 10c.**

Scabiosa. (Mourning Bride.) Justly popular. **Pkt., 5c.**

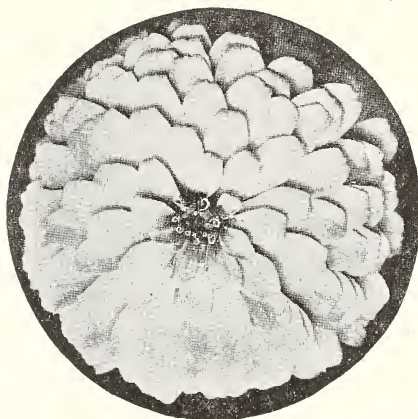
Sweet Sultan. Sweet scented and fine for cut flowers. **Pkt., 5c.**

Sweet William. Hardy but blossoms first year from seed. **Pkt., 5c.**

Thunbergia. (Black-Eyed Susan.) Good for hanging baskets or low climber. **Pkt., 5c.**

Verbenas. One of the best bedding flowers. Covers lots of ground and comes in great variety of colors. We can supply young plants at \$1.00 dozen, **Pkt., 5c.**

Zinnias. New Mammoth Flowered. Separate colors as follows—White, Yellow, Pink, Orange, Violet, and Scarlet. **Pkt., 10c each, ¼-oz., 30c; ½-oz., 50c; oz., 90c.** Special Mixture of the six colors, **Pkt., 10c; ¼-oz., 25c; ½-oz., 40c; oz., 80c.**



Zinnia.

NEW GIANT DAHLIA FLOWERED ZINNIA

This remarkable new ZINNIA was originated by John Bodger in California three or four years ago and is now pretty well known to flower lovers the world over. Its immediate popularity proves it to be one of the outstanding introductions in recent years. The blooms are full and rounded and resemble a double dahlia, colors are in soft though varied shades and of a size to take the breath. Flowers of 5 to 6 inches in diameter are the average rather than the exception. We offer the following colors and recommend them all as each has its particular merit:

Polar Bear, pure white.

Illumination, deep rose pink.

Golden State, rich orange yellow.

Crimson Monarch, red.

Exsquisit, light rose pink.

Oriole, deep orange yellow.

Canary Bird, clear canary yellow.

Dream, deep lavender shading purple.

Any of the above, **Pkts., 15c; ¼-oz., 50c; ½-oz., 90c; oz., \$1.65.**

Mixed Colors, **Pkts., 10c; ¼-oz., 35c; ½-oz., 60c; oz., \$1.00.**

SPECIAL COLLECTION, One full sized packet of each of the above 8 named varieties for 90c Postpaid. (Value \$1.20.)

SWEET PEAS

Sweet Peas are worth a little extra care and if you will follow these instructions you will get more and better blooms and general satisfaction. Where possible, plant your rows running north and south well away from tight board fence or wall. Sweet Peas require free circulation of air about the roots and vines and will not stand reflected heat such as might be caused from planting close to a wall.

Spade the soil to a depth of at least a foot, work the ground up thoroughly and fertilize with pulverized sheep manure or bone meal. When ready to plant the seed dig a trench about ten inches deep the full length of the desired row. Fill trench to within 5 inches of the top with finely pulverized, lightly fertilized, soil. To use too much fertilizer will result in rank growth of vine and few blooms, or burn the tender sprouts. Inoculate the seed with NITRAGIN (a 20c size is enough for a pound or more of seed) and plant carefully in the bottom of the trench. Plant in a zig-zag row spacing each seed about an inch apart like this

Cover the seed with not more than 2 inches of soil and water thoroughly. If you have followed instructions you now have a trench 3 inches deep. This should be gradually filled in as the plants grow, always keeping the heads of plants in sight.

Water once a day, morning or evening, and avoid watering when the sun is hot. After plants are an inch or two above the top of the trench, which by this time should have been filled in to the level of the surrounding ground, place your wire, lattice, or strings for the vines to cling to. This support should be 4 or 5 feet high as the vines will reach this height if they have been properly cared for.

PICK BLOOMS EVERY DAY OR TWO if you wish free flowering throughout the entire summer. To allow too many blooms to wither on the vines causes setting of seed pods with resultant stoppage of blooming. **DO NOT PLANT TOO EARLY** in the season. The best Spencer varieties are not as hardy as the old types and too early planting will result in loss of some of the most beautiful shades. We recommend the latter part of March or any time in April as a rule. Growth will not start until the ground is warm.

Burpee's Spencer Variety Sweet Peas, California Grown

(We buy direct from The W. Atlee
Burpee Co.)

Constance Hinton, White, a black seeded variety, extra large.

Countess Spencer, Deep pink, large and evenly colored throughout.

Floradale Fairy Improved, Large well-waxed blooms of a deep cream color.

Mary Pickford, Cream-Pink. Very large, dainty and appealing.



Sweet Peas.

Valentine, Blush-Pink. A beautifully waved flower on a long stem.

Margaret Atlee, Light Pink, a favorite for several seasons.

George Herbert, Rosy Carmine, with long stems and large blooms.

Hawthorn Pink, a beautiful rich rose-pink, shaded with salmon.

Fordhook Orange, blooms are a bright orange and stand sun without scalding.

Empire, a lovely clear cerise-pink with suffusion of rose.

Fiery Cross, a scarlet-cerise of unusual brilliance.

Asta Ohn, a clear lavender that is hard to equal.

PRICES—Any of the above separate colors, large packets 10c; ½-oz., 15c; oz., 25c; ¼-lb., 75c; ½-lb., \$1.40; 1-lb., \$2.50 postpaid.

Burpee's Blend, a mixture of all colors of Spencer varieties, large packet 10c; oz. package, 20c; ¼-lb. for 50c; ½-lb., \$1.00; 1-lb. for \$1.75.

SPECIAL COLLECTION. One packet each of the ten best named varieties, including all of the favorite shades and colors, 75c postpaid.

SOME VERY FINE HARDY PERENNIALS

Each 20c, Doz. \$2.00 unless otherwise noted.

We Pay Postage on All Perennials.

Achillea (Yarrow or Milfoil). Desirable garden subjects for any soil. Good for cut flowers. Finely cut foliage, frequently silvery. **Millefolium roseum**. 1½ feet, Summer, rosy pink.

Anchusa (Summer Forget-Me-Not). Fine tall blue flowers for massing. Moisture lover.

Aquilegia Coerulea. True Rocky Mt. Columbine. Large roots. 25c each.

(Hardy Aster) **Michaelmas Daisy**. A fine perennial for tall borders or mass effects, very hardy and blooms well in almost any location. Named varieties in white, cream, pink, light blue, lavender, and purple.

Bellis (English Daisy). Very popular, low growing, six to eight inches. Blooms very double and full something like a small Aster. Basket of 6 to 8 plants, 40c.

Bleeding Heart. Scarce for three or four years but we have a fair supply. 75c each.

Buddleia (Summer Lilac). A half hardy shrub freezing down to the root in the fall like the Shasta Daisy. Very attractive lavender colored blooms, fine for cutting. 50c each.

Campanula (Bell Flower). These come in great variety in height from 18 to 48 inches and colors from white thru the shades of blue to deep violet. This family also includes the well known Canterbury bell. 25c each; \$2.50 per doz.

Centurea (Hardy Corn Flower). A graceful and attractive plant. Height two to three feet. Valuable for cuts as it has a good stem. Colors: White, yellow, red, and rosy purple.

Chrysanthemum. Handsome and vig-

orous. Height about twenty-four inches. Fine for borders. We carry named varieties in many shades and colors.

Coreopsis. Good for cut flowers and continues in bloom through the entire season.

Delphinium. Larkspur. Very ornamental, flowers in large heads.

Dianthus (Pinks). Another large and valuable group. Some for borders, others suitable for rock gardens. All members of this family are hardy and will thrive in either heavy or sandy soils. Colors: White, light or deep pink, red and mauve. They are all season bloomers.

Digitalis. Foxglove. An old-time favorite.

Gaillardia. Begins to flower in June.

Geranium (Cranesbill). Easily grown plants giving masses of small showy flowers and good foliage. Most of them have a magenta tinge. 25c each; \$2.50 per dozen.

Geum. A good border subject, attractive foliage, bright scarlet flower. 25c each; \$2.50 per doz.

Goldenrod. Needs no description. Strong roots.

Golden Glow. Strong roots.

Gypsophila. Baby's Breath. Medium sized roots.

Helianthus (Hardy Sunflower). One of the most valuable tall borders. It is a hardy vigorous grower with good foliage, flowers in this country in August and September. Color: Golden yellow.

Hermerocallis. Lemon Lily. Very satisfactory and pretty. Flowers are bell shaped of clear lemon yellow.

Hibiscus. (Crimson Eye.) Immense white flower with crimson eye. 25c ea.

PERENNIALS---Continued

Hollyhocks. Double only. Can furnish in separate colors as follows: Buff, white, yellow, maroon, red, pink, blush, black.

Iberis (Hardy Candytuft). Grows low with beautiful foliage, fine for rock work or low borders.

Iris. Germanica. Excellent for borders. Can supply in colors as follows: Blue, cream, purple, bronze, lavender, orange, yellow, pink.

Iris Dalmatica. The finest of all Iris. Grows to four feet, producing massive flowers of rich lavender. Very fragrant.

Lathyrus (Everlasting Pea). A desirable hardy climber, much like the annual sweet pea.

Latifolius. 6 feet, July, white, pink, red.

Linum (Flax). A desirable border plant having light graceful foliage and bearing flowers all Summer.

***alpinum.** 1 to 1½ feet, June to July, blue.

***arboreum.** 1 foot, May, yellow.

Lupinus. Somewhat resembles the larkspur but has a greater variety of colors and is fragrant. We have it in white, yellow, and lavender blue. 25c each; \$2.50 per doz.

Oriental Poppy. The largest poppy, often nine or ten inches across when open. Color is a rich, fiery red. Perfectly hardy.

Penstemon. A rather low border that is hard to beat, the blooms rise above a beautiful mat of variegated foliage.

Special Collection of Hardy Phlox. Crimson, white, white with red eye, pink, lavender, orange, purple.

Platycodon (Chinese Bell Flower). Attractive border plant with peculiar

shaped blue flower. Blooms in July and likes lots of sun. 25c each; \$2.50 per doz.

Pyrethrum (Persian Daisy). A fine perennial greatly improved of late. Prefers a rather open location, grows two to four feet, flowers are of Daisy type in a good variety of colors.

Ranunculus (Buttercups). Deep green foliage, small bright yellow flowers in clusters. A good border plant. No particular soil needed.

Salvia (Meadow Sage). A group of plants giving exceptionally fine spikes of small graceful blue flowers. Do well anywhere in the border.

Scabiosa (Blue Bonnet). Good border plants. Fine blue flowers on long stems, good for cutting. Any well drained soil and a sunny place needed.

Shasta Daisy. (Alaska.) Immense white flowers with yellow center.

Statice (Lavender Baby's Breath). Produces a profusion of tiny lavender colored blooms in clusters or sprays useful for blending with other flowers. Can be cut when in full bloom and dried for winter use. 45c each; \$4.00 per doz.

Sweet William. Flowers in clusters like phlox.

Tritoma (Red Hot Poker). One of the most attractive perennials. If you want a bed of flaming color that will last through the summer this is the one to use. A little more expensive to start than annuals but cheaper in the long run. Colors: White, yellow, and orange red. 25c each.

Veronica (Speedwell). Some of the best garden subjects are found here. A fine range of blue spikes with attractive grayish foliage. Will do finely in any good rich soil in full sun.

SUMMER FLOWERING BULBS

These Prices Are Prepaid.

Every yard or garden should have a bed or two of these bulbs. We list only proven items that you can count on to produce satisfactory plants and blooms.

Caladiums or Elephants Ears

Medium sized bulbs, 20c each, 3 for 50c. Giant bulbs, 35c each, 3 for \$1.00. To make the best growth they must have plenty of water. In planting make a circular trench about the plants to hold water. We have seen plants with leaves 2½ feet wide.

Calla Lilies

White. Large bulbs. 25c each. Giant bulbs. 35c each. Make fine indoor plants.

Yellow. 35c to 50c, according to size. Order early, as supply is gone after April 1st.

Choice Hardy Lilies

Auratum. "Gold Banded Lily of Japan." Our customers have repeatedly written us praising our stock of these Japanese Lilies. They are perfectly hardy and will increase in number from year to year.

Rubrum. "Crimson Lily of Japan."

Album. "White Lily of Japan."

Melpomene. "Pink Lily of Japan." Set of four bulbs, \$1.25, or 35c singly.

Tiger Lilies. Immense clusters of orange-red flowers. Hardy and easily grown. 15c each; 2 for 25c; \$1.50 dozen.



Lily of the Valley.

Lily of the Valley. A shady corner is the place for these beauties. The flower is justly famed and will grow in almost any soil though doing best in a sandy loam. 6 pips for \$1.00 or \$1.75 dozen.

Tuberose. One of the most delightfully fragrant and beautiful of the late flowering bulbs. Can be taken up and potted for indoor culture in the fall. 3 for 25c; \$1.00 dozen.

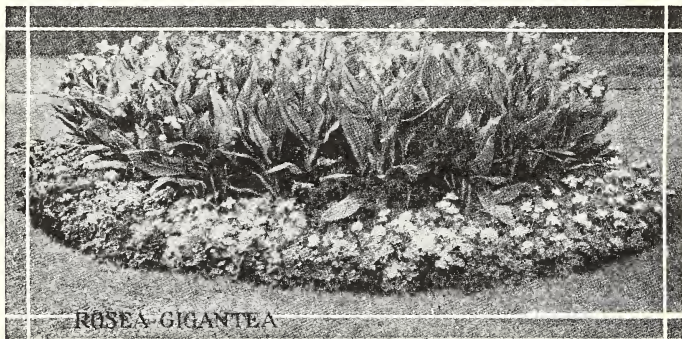
Cannas

One of the most satisfactory summer flowering bulbs. A bed 7 feet in diameter requires 19 bulbs. A 10 ft. bed requires 36 bulbs. We mention only the most popular varieties but carry others. Prices, single bulb 20c; six for \$1.00; \$2.00 dozen.

Allemania. Spotted orange. Green leaf, height 3 to 4 feet.

Venus. Lovely pink and gold. Green leaf. 4 to 5 feet.

Indiana. Orchid flowering of fiery orange. Green leaf. 5 to 6 feet.



ROSEA GIGANTEA

Canna.

King Humbert. Large scarlet with bronze leaf 4 to 5 feet.

Yellow King Humbert. Bright clear yellow. Green leaf. 4 to 5 feet.

GLADIOLUS

One of the easiest bulbs to grow and at the same time one of the most satisfactory from every standpoint. They enrich your whole garden with a wealth of color that is not possible from other sources. They practically take care of themselves and multiply generously. If cut when the first one or two blooms open they will keep for a full week and even the small buds will develop and open.

Planted in groups or rows they furnish a flare of color that can be seen from a great distance. Planted singly or by twos and threes with other shrubbery they blend in with anything you may have. When successive plantings are made about three weeks apart blooms may be had from early July until well into November.

Gladioli bulbs may be had in literally thousands of different named varieties. We are listing what we consider the cream of the good, medium priced ones but will be glad to quote on any others that you may desire.

Prices for First size bulbs, 1½-inch in diameter or over, POSTPAID.

Alice Tiplady, extra large rich orange, each 7c; doz., 75c; 100 for \$5.00.

Early Sunrise, a vigorous salmon-scarlet from three to four feet high. A pencil stripe of cream through each petal. Each 10c; doz., \$1.00; 100 for \$8.00.

Le Marshal Foch, a large rose-pink. Each 5c; doz., 50c; 100 for \$3.00.

1910 Rose, a very large pure rose-pink of extra fine shade with a narrow white central line on each petal. Each 5c; doz., 50c; 100 for \$3.25.

Rose Ash, (ashes of Roses), a new color in gladioli, old rose. Flower is large and the bulb is a vigorous grower. Each 10c; doz., \$1.00; 100 for \$8.00.

Willbrink, a beautiful, delicate pale pink. Each 5c; doz., 50c; 100 for \$3.25.

Chicago White, large pure white with a trace of lavender in the throat, each 5c; doz., 50c; 100 for \$3.00.

Niagara, a beautiful canary yellow with carmine flecks or splashes. Each 10c; doz., \$1.00; 100 for \$7.50.

Golden Measure, a new beautiful dark golden yellow, absolutely the best yellow. Each 10c; doz., \$1.00; 100 for \$8.50.

Prince of Wales, a charming coral-pink unusually large and well formed. Each 8c; doz., 80c; 100 for \$7.00.

Baron Hulot, the leading purple variety. Each 10c; doz., \$1.00; 100 for \$8.00.

Francis King, brightest possible red, one of the most popular of all varieties. Each 5c; doz., 50c; 100 for \$3.25.

Mixed Colors, a mixture of every pleasing color and shade obtainable. Each 5c; doz., 50c; 100 for \$2.75.

DAHLIAS

Plant DAHLIAS in any open sunny location where the soil is reasonably good. The wide range of colors and the great variety of different types makes the DAHLIA one of the most popular of all bulbs. Prepare the soil by digging down at least one foot, breaking up all lumps. Use fertilizer sparingly and water as needed.



Peony Flowered Dahlia.

Peony Flowered Dahlias

Postpaid Prices

Strong Tubers 25c each; \$2.50 doz.

Coconina, intense vivid red, an early and free bloomer.

Dr. Henry Sewall, fawn pink, shading to amber.

Freda Newman, bright orange bronze, margined with old gold. A beauty.

Kia Ora, a fine rosy-pink with long graceful stems.

La Jara, pure lemon yellow. Flowers perfect in form with long stems.

Queen Emma, a charming mallow or pink.

Queen Wilhelmina, pure white with yellow center.

Souvenir Franz Liszt, dark purple maroon. The flowers are very large with long stems.

Temptation, delicate creamy pink, shaded to blush. An excellent cutting variety.

DAHLIAS—Continued



Cactus Dahlia

Standard Cactus Dahlias

POSTPAID PRICES

Strong Tubers 25c each; \$2.50 doz.

Charles Clayton, a red so vivid as to dazzle the eye, flowers large on long stems.

Countess of Lonsdale, the freest flowering dahlia grown. Color is a rich salmon.

Dainty, rosy pink shading to lemon. Very striking.

Genesta, rich orange bronze.

Lavender Beauty, a clear, soft lavender.

Maggie, wine red variegated with white and pink, the petals are long and claw-like.

Marion Thompson, pure lemon yellow on long, stiff stems. Keeps exceptionally well as a cut flower.

Mrs. H. J. Jones, a bright vivid red, each petal tipped and edged with pure white.

Perle De Lyon, the best pure white Cactus Dahlia grown.

Uncle Tom, dark maroon, almost black. Fine shaped with good stem.

Standard Decorative Dahlias

Strong Tubers 25c each, \$2.50 doz.

POSTPAID PRICES

Delice, soft, glowing rose-pink. The stems are long and hold the bloom well above the foliage.

Fleming, ideal for cutting. Bright shell pink with extra fine stem.

Moonbeam, clear canary yellow. Blooms freely and keeps well as a cut flower.

Montezuma, an orange bronze of good size and general appearance.

Purple Manitou, extra large, pure purple. One of the best.

Souvenir Douzon, an immense bright red, the largest red in the list.

Show and Fancy Dahlias

Strong Tubers 25c each, \$2.50 doz.

POSTPAID

Bertha Bernstein, a dark lavender with beautifully quilled petals.

Dr. I. B. Perkins, an ideal snow white dahlia with long stems. Excellent for cutting.

D. M. Moore, a mammoth velvety maroon having no equal either in size or in its color.

Golden Spray, a bright golden yellow on long stems. A profuse bloomer.



Show Dahlia

La France, brilliant rose-pink resembling a double peony. Flowers are simply gigantic in size.

Victory, a striking combination. The color is deep yellow and each petal is tipped with cherry-red. Of immense size and perfect form.

DAHLIAS---Continued

Dahlias of Special Merit

Figures to the right indicate height

PRICES POSTPAID

Amun Ra. Originated and introduced by Jessie Seal. This fact in itself is the highest guarantee. A mammoth decorative dahlia borne on stout stems of good length. The flowers are gorgeous. In color a combination of copper, orange and golden bronze. Highly recommended. \$1.00 each..... 4

Avalon. (Decorative.) One of the largest of dahlias, with fine stem, and a good keeper. Clear, rich yellow. Highly recommended. \$2.00 each.

Bashful Giant. (Decorative.) One of the largest dahlias introduced. The immense blooms are excellent for exhibition, the color is apricot with golden shadings. \$1.50 each..... 3

Charm. (Show.) One of the most admired dahlias. The color is a most pleasing combination of burnt orange, shading to yellow. Very fine. 50c each 4

Chief Washakee (W). (1925) (Decorative.) A large well formed flower borne on excellent stems which hold the flower well above the foliage. Color, a most intense red; a fine variety, 50c each 4

Emma Slocum. Pure white flower on extra long stems. Flowers extra large. One of the showiest of the white decorative varieties. 50c each..... 4

F. W. Fellows. (Cactus.) This beautiful orange cactus is one of the best grown. Very large blooms, perfect form for exhibiting. Its color is most attractive. One of the best for cut flowers. 50c each..... 4

Guardian. (Cactus.) Intense red. Flowers large with very narrow pointed petals. Stems long. \$1.00 each.

Gladys Sherwood (Broomall.) A giant hybrid cactus; flowers may be grown to a diameter of ten inches or over. Color pure white; stems rather below average length. 50c each..... 4

George Walters. (Hybrid Cactus.) One of the largest of all dahlias; measures from 7 to 9 inches without disbudding. Stems very long and wiry. Color, salmon pink, shaded to old gold. 50c each 3

Halvella. (Decorative.) Old rose pink with a golden sheen is one of the finest for exhibiting and cutting. These irresistible blossoms of great size, substance and unusual keeping qualities are held erect on long, stiff stems and hold their centers throughout the season. \$1.00... 4

Harvy Sheldon, Jr. (Decorative.) A large fine flower on long stems, holding the flower erect. A beautiful, soft, day-break pink, shading to almost white. \$1.00 each.

J. W. Davies. (Decorative.) A wonderful free flowering variety beginning early in the season and producing good, perfect flowers to the end. The flowers are of great size, of good depth and of fine form and are borne on good long stems. The color is a bright, deep tyrian-rose at the center, gradually shading lighter to the edges and tips. \$1.00 each 3

Peonies

Good Strong Roots 50c each, \$5.00 doz. except where noted. Prices Postpaid

Felix Crouse, brilliant dark red. One of the best. \$1.00 each.

Duke of Wellington, ivory white with creamy center.

Festiva Maxima, one of the very best peonies grown. Pure white flaked with red.

Lady Lenora Bramwell, silvery rose, very large and fragrant.

Mad. Breon, flesh pink and lemon, changing to white.

Rosea Superba, large rosy-pink, free bloomer.



Peonies

HARDY CLIMBING PLANTS

Clematis Jackmanii. The most beautiful of all climbing vines. Flowers are large and star-like. Color deep purple. Strong roots, \$1.50 each, prepaid.

Clematis Paniculata. Flowers are pure white of medium size and borne in immense sheets. Very popular. 75c each, prepaid.

Clematis Henryi. Flowers are eight-petaled and four to six inches across. Pure white. 75c each, prepaid.

Cinnamon Vines. Foliage emits the odor of cinnamon. Grows most rapidly and will soon cover trellis or wall. Large roots, 15c each; 4 for 50c, prepaid.

Honeysuckle. Scarlet Trumpet. Very strong, rapid grower with red flowers. 50c each. Not prepaid. Roots must be covered with dirt or moss and is usually shipped by express.

Honeysuckle Halleana. Yellowish-white fragrant blossoms. Must be expressed. Strong roots, 50c each.

Wistaria. A great climber with dense clusters of purple flowers. Strong roots, 75c each. Not prepaid.

HARDY SHRUBS

Should be sent by express. If they must be shipped by mail, add 25c each for packing and postage.

Almond. Double flowering. The first shrub to flower in the spring. The whole bush is covered with pink rosettes. 75c each.

Bridal Wreath. Spiraea Von Houttii. The most beautiful of all Spiraeas. Blooms in early spring and resembles a mass of snow. 75c each.

Hydrangea Paniculata. A most beautiful shrub with immense clusters of white flowers shading to pink. 75c each.

Lilac, Persian. Has smaller foliage and brighter flowers than the common lilac. Is not so early and does not, therefore, get caught so often by spring freezes. We have both purple and white. Price, 75c each.

Snowball. Japanese. May be kept trimmed to round bush form. Is covered with white balls of flowers through spring and early summer. 75c each.



Clematis Paniculata.



Snowball.

If you have considerable landscape work to do, send us a sketch showing size of plot to be planted and we will suggest arrangement and choice of shrubs and plants to use as well as quoting quantity prices.

SUPPLIES FOR CANARIES AND CAGED BIRDS

(Postage Extra)

Simpson's Superior Mixed Canary Seed, bulk, per lb., 20c; 3 lbs., 50c; 10 lbs. for \$1.50; 25 lbs. for \$3.25.	
Simpson's Roller Bird Mixture, per lb., 20c; 3 lbs., 55c; 10 lbs., \$1.65.	
Sicily Canary Seed, per lb., 20c; 3 lbs., 50c; 10 lbs., \$1.50; 25 lbs., \$3.25.	
Rape Seed, Sweet Summer, 1 lb., 20c; 3 lbs., 50c; 10 lbs., \$1.50; 25 lbs., \$3.25.	
Hemp Seed, Imported, 1 lb., 15c; 2 lbs., 25c; 10 lbs., \$1.00; 25 lbs., \$2.25.	
Millet, French Pearl, 1 lb., 10c; 5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.25.	
Bird Gravel, Selected and washed, per package, 10c; 3 for 25c.	
Cuttle Bone, bird size 5c each, 6 for 25c, 1 lb. for.....	\$0.50
Simpson's Song Restorer, justly famous, large box.....	.25
Simpson's Nestling Food, for baby birds, large box.....	.15
Simpson's Bird Vigor, for birds out of condition.....	.15
Simpson's Mite Powder.....	.25
Simpson's Mite liquid and disinfectant.....	.25

French's Bird Preparations

French's Bird Seed, with Biscuit..	\$0.20
French's Bird Biscuit, 15c, 2 for..	.25
French's Cuttlebone (boxed) ....	.15
French's Bird Tonic .....	.25
French's Coloring Pepper .....	.25
French's Nestling Food .....	.25
French's Nesting Hair .....	.10
French's Mite Powder .....	.25
French's Song Restorer .....	.20
French's Bird Ointment .....	.25
French's Bird Gravel .....	.20
French's Parrot Seed .....	.25

Geisler's Bird Feeds

Geisler's Roller Seed.....	\$0.30
Geisler's Bird Tonic A, Song Restorer .....	.25
Geisler's Bird Tonic B, Diarrhoea..	.25
Geisler's Bird Tonic C, for Colds..	.25
Geisler's Bird Tonic D, General...	.25
Geisler's Maizena Biscuit .....	.15
Geisler's Medicated Biscuit .....	.25
Geisler's Song and Moulting Food..	.20
Geisler's Parasite Cure .....	.25
Geisler's Health Food .....	.20
Geisler's Vegetable Extract, tonic..	.25

Kaempfer's Products

Kaempfer's Highballs, 15c; 2 for..	\$0.25
Kaempfer's Birdolene, 20c; 2 for ..	.35
Kaempfer's Asthma Tablets.....	.25
Kaempfer's Foot Ointment.....	\$0.25
Kaempfer's Bird Remedy.....	.25
Kaempfer's Nesting Hair.....	.10

Philadelphia Bird Food Co's Preparations

Philadelphia Bird Seed.....	\$0.25
Philadelphia Coloring Food.....	.25
Philadelphia Bird Bitters.....	\$0.25
Philadelphia Bird Manna.....	.15

RABBIT SUPPLIES AND REMEDIES

(Postage or Express Extra)

Salt and Sulphur Spools, doz., 75c; 100 for \$5.00; Case of 250 for \$12.00.

Barnes Anti-Diarrhoea	\$0.50	Rabbit Feed Dishes with rim, pt...	\$1.75
Barnes Anti-Snuffle .....	.50	Rabbit Feed Dishes with rim, qt...	2.00
Barnes Anti-Slobber .....	.50	Rabbit Drinks, pt.....	1.40
		Rabbit Drinks, qt.....	1.75

Where shipped by freight or express, packing charge 50c dozen for Feed Dishes and Drinks.

FRUIT TREES

COLORADO GROWN, THEREFORE ACCLIMATED

APPLES. Following varieties, 4 to 6 ft., \$1.25 each, delivered Denver or packed free for expressing.

Early Summer Varieties. Early Harvest, Liveland Raspberry, Yellow Transparent.

Summer Varieties. Duchess, Red June, Sweet June.

Late Summer Varieties. Cooper's Early White, Maiden Blush.

Early Winter Varieties. Grimes Golden, King David, Jonathan, McIntosh Red.

Winter Varieties. Baldwin, Stayman Winesap, Delicious.

Late Winter Varieties. Arkansas Black, Mammoth Black Twig, Rome Beauty, Winesap.

Siberian Crab.

CHERRIES. We recommend the following late varieties only, as the early kinds too often get caught by frost. 4 to 6 ft. \$2.00 each.

Black Tartarian. Large, sweet cherry, heart shaped.

Early Richmond. Very large sour cherry.

English Morello. Very dark, medium sized.

Montmorency. Best sour cherry for local use. Does not drop when ripe and being produced in clusters picks at little expense.

PEACHES. 4 to 5 ft. \$1.00 each.

Crawford's Early. Large yellow, freestone.

Crawford's Late. Ripens 15 days after above. August.

Elberta. Best shipper. Large and well flavored.

PEARS. 4 to 5 ft. \$1.25 each.

Bartlett. Best market variety for Colorado.

Clapp's Favorite. Excellent for home use. Ripens early.

PLUMS. 4 to 6 ft. \$2.00 each.

Abundance. Red with yellow flesh. Probably most prolific.

Burbank. Yields quickly after planting. Ripens in August.

German Prune. Purple or Blue. Ripens in September.

Lombard. Large, reddish purple, flesh yellow. Hardy and productive.

Wild Goose. Very early, ripening in July. Bright red, yellow flesh.

QUINCE. 3 to 5 ft. \$1.50 each.

Orange. Large golden yellow, succeeds everywhere. Local supply always scarce, hence profitable.

GRAPES AND BERRY BUSHES

GRAPES. We sell and advise planting only 2 year No. 1 stock which is priced below. Grapes do well in Colorado and should be more generally grown. They make excellent arbors or shade vines and will also do well in rocky waste soil not suitable for other plants.

Concord. 20c each; 6 for \$1.00; \$2.00 doz.

Worden. 20c each; 6 for \$1.00; \$2.00 doz.

Moore's Early. 30c each; 6 for \$1.50; \$3.00 doz.

BLACKBERRIES. Mercereau. Does not turn red after picking. Large and sweet. Prices, 10c each; 6 for 50c; \$4.00 per 100.

GOOSEBERRIES. Strong 2 year plants. 35c each; 3 for \$1.00; \$3.50 doz. We recommend Downing, Houghton or Oregon Champion.

CURRENTS. No. 1 plants, 35c each; 3 for \$1.00; \$3.50 doz. Red Cherry, White Grape and Perfection are recommended varieties.

DEWBERRIES. Lucretia. 25c each; \$2.50 doz.

RASPBERRIES. Cuthbert or St. Regis in red or Kansas in black. No. 1 plants, 10c each; 6 for 50c; \$4.00 per 100.

SHADE TREES.

ASH. American White. 6 to 8 ft. Quick growers. Each, \$1.00.

COTTONWOOD. Cottonless. 6 to 8 ft. Each, \$1.00.

ELM. One of our best shade trees. 6 to 8 ft. Each, \$1.25. For larger sizes figure approximately \$1.00 per inch diameter.

MAPLE. Silver Leaf. Grows more rapidly than the hard. 6 to 8 ft. \$1.00. For larger sizes figure approximately \$1.00 per inch diameter.

MOUNTAIN ASH. An ornamental tree for lawns. 5 to 6 ft. \$1.50.

POPLAR. Makes rapid growth. 6 to 8 ft. \$1.00.

POPLAR. Lombardy. Very tall, suitable for division lines or wind break. 8 to 10 ft. Each \$1.00.

FIELD GROWN ROSE BUSHES, SHRUBS AND VINES

Individually wrapped for mailing or expressing.

Each plant labeled with name and variety and instructions for planting and care.

When sent by mail add 10c each or \$1.00 per doz.

Roses, Hybrid Teas

Average height 1½ feet,
bloom all summer and fall.

Columbia, Bright Pink, Good for cutting	\$0.80
Double White Killarney, Snow White .....	.90
Etoile de France, Double Crimson....	.80
Pink Killarney, Brilliant Pink.....	.80
Madam Butterfly, Pale Pink and Gold .....	.80
Ophelia, Pearly Pink and Cream.....	.80
Pink Radiance, Bright pink, extra good .....	.80
Red Radiance, Light Crimson.....	.80
Sunburst, Yellow with orange tint..	.90

Hybrid Perpetual Roses

Average height 4 feet

American Beauty, Dark Rose Pink..	\$0.80
Frau Karl Drusehki, Snow White....	.80
General Jacqueminot, Bright Crimson .....	.80
George Arends, Large Light Pink....	.80
Paul Neyron, Rich Old Rose Pink....	.80

Climbing Roses

Climbing American Beauty, Crimson..	\$0.80
Crimson Rambler, Vivid red in clusters .....	.75
Dorothy Perkins, Shell Pink in clusters .....	.75
Excelsa, Bright Crimson in clusters..	.75
Yellow Rambler, Bright Yellow clusters .....	.75
Pauls Scarlet Climber, Bright Scarlet .....	.75

Just as furniture is needed within the walls of a house to make it a home, Bushes, Shrubs and Vines are needed out-of-doors to give it the appearance of comfort and stability. We are sure our customers will appreciate these individually wrapped plants as preparing them in this way prevents drying out of roots in shipping or storing.

Hardy Shrubs and Vines

Almond, Double Flowering Red, A bushy shrub covered with bright pink flowers.....	\$0.75
Deutzia, A charming fountain like bush with myriads of pinkish flowers .....	.75
Hydrangea Paniculata, Big shrub with large white flowers.....	.75
Spiraea Van Houtte, Graceful drooping shrub with garlands of snow white flowers .....	.50
Snowball, Large shrub with balls of white flowers.....	.75
Weigela, Bushes with tubular crimson flowers .....	.75
Weigela Rosea, A pink variety of above .....	.75
Lilac, Common Purple.....	.65
Honeysuckle, Red Tartarian, Pink flowers with red berries.....	.65
Honeysuckle, Halls Japan, sweet scented flowers, creamy yellow....	.65
Spiraea, Anthony Waterer, Dwarf bush with rose-pink flowers.....	.75
Forsythia Fortunei, Bright yellow flowers, very early, one of the best shrubs .....	.65
Privet, California, most popular hedge plant for Colorado, \$2.00 doz, per 100	\$12.00

Climbing Vines

Clematis Jackmani, A graceful climber with violet-purple flowers....	\$1.00
Clematis Paniculata, A rapid growing climber with a profusion of white flowers .....	.50
Boston Ivy, The best vine for brick or stucco walls, glossy foliage....	.75
Dutchman's Pipe, A vigorous grower with broad leaves and pipe-like flowers	1.00
Wisteria, Chinese Purple, A lofty vine with gracefully drooping purple flowers .....	.75

CANARY BIRDS AND CAGES

ROLLER CANARIES

We sell only the best grade of imported **TRAINED ROLLERS**. Each singer has passed a rigid inspection to test clearness of notes and range of song. Every bird guaranteed to be in good health when leaving our store.

Imported Trained Roller Singers....	\$10.00
Imported Roller Females.....	3.50
Roller Females, American, from imported stock, \$2.00 to.....	2.50

HARTZ MOUNTAIN CANARIES

We buy from the importer direct, getting only No. 1 stock with a good range of notes and in good plumage; we never offer "seconds" at any price as we recommend a good bird or none at all. The Hartz Mountain singers have the regular varied canary song, combining trills and other notes.

Hartz Mountain Singers.....	\$8.50
Hartz Mountain Females.....	2.00
Hartz Mountain Females, American raised from imported stock, \$1.00 to 1.50	

CANARY SINGERS

We always have singers raised locally from well selected stock that sell at \$6.00 to\$8.00

CANARY BREEDING CAGES

(Postage Extra)

We sell the celebrated **HENDRYX** cage, equipped with two nests, drawer base and partition in center.

No. 86S—17¼x8¾ in., 13½ in. high..	\$5.50
No. 86—20x10 in., 14 in. high.....	6.00
No. 87—22x11 in., 15¼ in. high.....	6.50

"FLIGHT" OR STOCK CAGES

Each cage has four large feed and water cups, metal drawer for cleaning and rounded top.

No. 81—16 x 9½ in., 16 in. high....	\$6.00
No. 82—17¼x10½ in., 18 in. high....	6.50
No. 83—20¼x12 in., 20 in. high....	7.00

ROUND BRASS CAGES

The most popular style offered. Has three brass cross rails and each bar is riveted securely. Brass screen guard and base.

No. 274—10 inches diameter.....	\$4.00
No. 275—11 inches diameter.....	4.50
No. 276—11½ inches diameter.....	5.25

Similar style with flat base.

No. 1274—10 inches diameter.....	\$3.50
No. 1275—11 inches diameter.....	4.25
No. 1276—11¼ inches diameter.....	5.00

SPECIAL ENAMELED CAGES

Trimmed with green.

No. 165—9¾x6¼ in., 12¼ in. high...	\$2.00
No. 166—10¼x7 in., 13¼ in. high...	2.70
No. 167—11 x7½ in., 14 in. high...	3.00
No. 168—12¼x8¼ in., 14½ in. high...	3.25

CAGE SUNDRIES

Perches, tapered, set of 3.....	\$0.25
Swings for brass cages.....	.15
Swings for enameled cages.....	.10
Swings for round brass cages.....	.35
Food Holders, fit any cage.....	.10
Bath Dishes, oval, glass or opal.....	.15
Crystal Fountains, fit any cage.....	1.25
Bath House, glass sides.....	.80
Nests, wire, with fastener, 15c; 2 for..	.25
Powder Guns, empty.....	.15
Powder Guns, filled.....	.25
Cups, feed or water, several styles...	.15
Cuttle Bone Holders.....	.10
Springs, brass coil 15c; 2 for.....	.25
Springs, heavy brass.....	.25
Springs, with adjustable chain.....	.25
Cage Brackets, swinging, 8 in.....	.20
Cage Brackets, swinging, 10 in.....	.25
Cage Brackets, swinging, 12 in.....	.30
Guard Cloth, running foot.....	.40
Water Wells, for shipping birds.....	.25

DAILY EGG RECORD

DATE	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
1						
2						
3						
4						
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24						
25						
26						
27						
28						
29						
30		X				
31		X		X		X
TOTALS						

DAILY EGG RECORD

DATE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1						
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4						
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24						
25						
26						
27						
28						
29						
30						
31			X		X	
TOTALS						

MEMORANDUM

INDEX

A

Ageratum 42
 Alyssum 42
 Amaranthus 42
 Ampleopsis 42
 Antirrhinum 42
 Apple Trees 56
 Artichoke, Seed, Roots 28
 Asparagus, Seed, Roots 28
 Asters 42, 43
 Austin's Dog Feeds 26

B

Baby's Breath, see
 Gypsophila 43
 Bachelor Button 43
 Balsam 43
 Barnes Worm Emulsion 9
 Beans, Garden 29
 Beans, Scarlet Runner 43
 Beets 30
 Begonia 43
 Bennett's Dog Feeds 27
 Bird Seeds 55
 Blackberries 56
 Broccoli 30
 Brooders, Stove 3, 4, 7
 Brooders, Oil Burning
 5, 8
 Brussels Sprouts 31
 Burning Bush 43

C

Cabbage 31
 Caladium Bulbs 49
 Calendula 43
 California Poppy 43
 Calla Lilies 43, 49
 Calliopsis 43
 Canary Birds, Cages,
 etc. 58
 Canary Bird Vine 43
 Canary Feeds and Sup-
 plies 55
 Candytuft 43
 Canna S. 43; B. 49
 Canterbury Bells 43
 Carnation 43
 Carrots 32
 Castor Oil Beans 43
 Cat Feeds 26, 27
 Cat Remedies 27
 Cauliflower 33
 Celery 32
 Celery 32
 Cel-O-Glass 2
 Centaurea 43
 Champion Dog and Fox
 Feeds 26
 Chappel Bros. Dog
 Feeds 26
 Cherry Trees 56
 Chicory 32
 Chives 33
 Chrysanthemum 43
 Clarkia 43
 Clayton's Dog and Cat
 Remedies 27
 Climbers 54
 Cobaea Scandens 43
 Cockscomb 43
 Coleus 43
 Collards 32
 Columbine S. 43; R. 47
 Corn Salad 33
 Corn, Sweet 40
 Cosmos 43
 Cress 33

Cucumbers 34
 Currant Bushes 56
 Cypress Vine Seed 43

D

Dahlia..S. 43; B. 51, 52, 53
 Daisies.....S. 43; P. 47
 Dewberry Bushes.....56
 Dog Feeds.....26, 27
 Dog Remedies.....27

E

Easy Payment Plan... 1
 Egg Plant.....33
 Egg Shipping Boxes... 22
 Elephant Ear Bulbs... 49
 Eschscholtzia 43
 Everlastings 43
 Evergreen Fertilizer... 16

F

Fertilizers 16
 Feverfew 43
 Fly Chasers 25
 Forget-Me-Not 43
 Fox Feeds.....26, 27
 Foxglove.....S. 43; P. 47
 Four-O-Clocks 43
 French's Bird Feeds,
 etc. 55
 Fruit Trees 56
 Ful-O-Pep Poultry
 Feeds 11, 12, 13

G

Gaillardia.....S. 43; P. 47
 Garlic Sets.....33
 Geisler's Bird Feeds,
 etc. 55
 Geranium Seed 43
 Gladiola Bulbs 50
 Globe Amaranth 43
 Godetia 43
 Gooseberry Bushes 56
 Gourds 43
 Grape Vines 56
 Grass Seeds 42
 Gypsophila.....S. 43; P. 47

H

Heliotrope 43
 Herbs 42
 Hess & Clark Prepara-
 tions 25
 Hibiscus.....S. 43; P. 47
 Hollyhock.....S. 43; P. 48
 Horseradish Roots 34
 Hyacinth Beans 44
 Hygrometers 23

I

Ice Plant, Mesembryan-
 themum 44
 Incubators, Queen 6
 Incubators, Moe's 10
 Instructions for Chick
 Raising 14, 15

J

Japanese Hops..... 44
 Job's Tears..... 44

K

Kaempfer's Bird Feeds,
 etc. 55
 Kale or Borecole.....33
 Kohi-Rabi 34

L

Lantana 44
 Larkspur 44
 Lawn Fertilizers 16
 Lawn Grasses 42
 Leek 34
 Leg Bands for Poultry 22
 Le Gears Preparations, 25
 Lettuce 35
 Lilies, Hardy 49
 Lily of the Valley 49
 Linum 44
 Lobelia 44

M

Marigold 44
 Mesembryanthemum 44
 Mignonette 44
 Moon Flower..... 44
 Muskmelons 36
 Musk Plant..... 44
 Mustard 35

N

Nasturtiums 44
 Nicotiana 44
 Nigella 44

O

Oat Sprouters.....9, 21
 Okra 35
 Onions 37
 Oyster Plant..... 39
 Oyster Shell..... 25

P

Pansies, Seed, Plants.. 44
 Parsley 37
 Parsnips 37
 Peach Trees 56
 Peas 38
 Peonies 53
 Peppers 36
 Perennial Plants and
 Roots 47, 48
 Perfection Dog and Fox
 Feeds 27
 Petunias 44
 Phlox, Seed, Roots... 44
 Pinks 44
 Plum Trees 56
 Popcorn 40
 Poppy Seed 44
 Portulaca 44
 Potatoes 33
 Poultry Feeds.....13, 25
 Poultry Feeders.....17 to 20
 Poultry Fountains 17 to 19

Poultry Remedies..... 9
 Primrose 44
 Pumpkins 37
 Putnam Brooder
 Heaters 23
 Putnam Stoves..... 23
 Pyrethrum 44

Q

Quince Trees..... 56
 Q-W Dog Remedies... 27

R

Rabbit Supplies and
 Remedies 55
 Radish 39
 Raspberry Bushes..... 56
 Rhubarb 38
 Rose Bushes..... 57
 Roses (Pot Grown)
 3rd Cover
 Rutabagas 41

S

Salpiglossis 44
 Salsify or Oyster Plant 39
 Salvia 44
 Scabiosa 45
 Scarlet Flax..... 44
 Scarlet Runner Beans, 43
 Schizanthus 44
 Shade Trees..... 56
 Shrubs 54, 57
 Snapdragons 44
 Spinach 39
 Spratts Dog Feeds... 26
 Sprayers, Pumps, etc.. 24
 Squash 40, 41
 Strawflowers 43
 Stock Feed.....2nd Cover
 Stocks 44
 Sulphate of Ammonia.. 16
 Sunflowers 45
 Sweet Corn 40
 Sweet Peas..... 46
 Sweet Sultan..... 45
 Sweet William S. 45; P. 48

T

Thermometers 23
 Thunbergia 45
 Tomatoes 41
 Trees, Fruit and Shade 56
 Tuberose Bulbs..... 49
 Turnips 41

V

Verbena 45
 Vines 54, 57

W

Water Cress..... 33
 Water Fountains 17 to 21
 Watermelons 36
 Wistaria 54, 57

Z

Zinnias 45

SIMPSON SEED & FLORAL CO., DENVER, COLO.

We pay postage on Seeds in packets, ounces and $\frac{1}{4}$ lbs.
We charge postage only on heavier Seeds, and customers will please add to the Catalogue price of Peas, Beans and Corn at the rate of 8 cents a pound, to pay postage.

Please forward the following articles to:

(Mail, Express or Freight)

\$.....

[illegible]

[illegible]

CHOICE HARDY (Pot Grown) ROSES

For Outdoor Planting

These roses are all grown on their own roots, assuring you that they will never "run wild." Most field grown bushes are grafted on wild rose roots and unless properly handled will turn to wild rose bushes in two or three years. This explains why some of the best roses you have bought, have ceased blooming just as the bushes made a good growth.

Rose bushes do best in a heavy clay soil and for that reason we recommend the use of bone dust fertilizer applied as a top dressing several times during the growing and blooming season, rather than the use of barnyard fertilizer that is worked into the soil and which tends to lighten the soil.

Pot grown roses develop better root systems than do field grown bushes and there should be absolutely no loss of plants when planting these bushes. The soil must never be allowed to get dry, however, for the first two or three weeks.

We list only a few of the most popular monthly blooming varieties, but can furnish any satisfactory rose at the same price.

White

Angelus. A big yellowish white.
Double White Killarney. Long budded and fragrant.
Edel. White shaded old ivory.
Kaiserin. Very fragrant and free bloomer.
White Ophelia. Pinkish center, long budded.

Yellow

Golden Ophelia. Good clear yellow.
Irish Fireflame. Flame colored bud, opening pinkish.
Lady Hillingdon. Clear light yellow.
Mme. Butterfly. One of the very best yellows.
Mrs. A. R. Waddell. Good bloomer, justly popular.
Roselandia. A new rich yellow.

Light Pink

Columbia. Big flowers of brilliant hue.
Cynthia Ford. Free bloomer and sturdy.
Pink Killarney. True pink and free bloomer.
La France. The best pink in the list.
Mme. C. Testout. The rose that made Portland famous.
Mrs. Chas. Bell. Shell pink.
Radiance. Free bloomer and sturdy.
Rosy Dawn. Form similar to Ophelia.

Dark Pink

Commonwealth. Deep pink, very fragrant.
Dunlop. Deep pink with pointed bud.
Jonkherr Mock. The largest deep pink grown.
My Mariland. Free bloomer and sturdy.
Premier. Big and fragrant.

Red

American Beauty. The most satisfactory rose ever grown, blooms freely and is hardy in any climate.
Crusader. Very double, with long stem.
Francis Scott Key. One of the largest reds.
Hadley. Good grower, fragrant and sturdy.
Legion. A medium sized rose with good growing habits.
Mrs. Henry Sewall. Cherry red, pointed bud.
Red Columbia. Brilliant scarlet.
Red Radiance. One of the best.
Senator. A new dark red.
Templar. Similar to Ophelia.

White Climbing Roses

Mary Lovett. Large double flowers, glossy foliage.
White Perkins. The most rapid grower



Yellow Climbers

Electra. Blooms over a long period.
Gardenia. Very free bloomer.

Light Pink Climbers

Alida Lovett. Large pink.
Dorothy Perkins. Rapid grower but flowers fade.
Pink Rambler. Similar to Crimson Rambler.
Tausendschoen. Shell pink, a beauty.

Dark Pink Climbers

American Pillar. Dark pink with white center.
Heart of Gold. Better than Hlawatha, larger and more vigorous.

Red Climbers

Climbing American Beauty. Best red climber known.
Excelsa. Improvement over the old Red Rambler.
Paul's Scarlet. Large blooms, very popular.

Prices—65 cents each, \$6.50 dozen; 100 for \$50.00. Shipped express collect, or by parcel post. Postage 10 cents each or \$1.00 dozen.

Ask for free leaflet "How to Succeed With Roses."

